Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.

aZ5076
.A1U54
Reserve

United States Department of Agriculture

National Agricultural Library

and

United States Environmental Protection Agency

Office of Pesticide Programs

Bibliographies and Literature of Agriculture Number 36

The Protection of Corn, 1980-November 1984

Agricola Citations for Diseases, Insects, Nematodes, Chemicals, and Other Environmental Considerations

839343

The Protection of Corn, 1980-November 1984

Agricola Citations for Diseases, Insects, Nematodes, Chemicals, and Other Environmental Considerations

Compiled and Edited by
Charles N. Bebee
National Agricultural Library

Bibliographies and Literature of Agriculture No. 36

United States Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

and

United States Environmental Protection Agency
Office of Pesticide Programs
Washington, D.C. 20460

June 1985

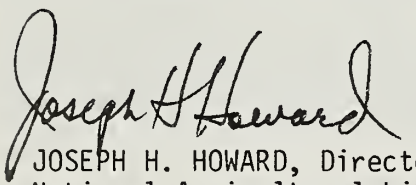
FOREWORD

This is the first volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the United States Department of Agriculture, National Agricultural Library (USDA-NAL), and the Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from United States publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director
National Agricultural Library

STEVEN SCHATZOW, Director
Office of Pesticide Programs

United States Department of Agriculture | National Agricultural Library | Public Services Division | Beltsville, Maryland 20705

DOCUMENT DELIVERY SERVICES AVAILABLE to Libraries and Other Information Centers and Commercial Organizations

The National Agricultural Library (NAL) accepts requests from libraries and other organizations in accordance with the national and international interlibrary loan code and guidelines. In its national role, NAL has a unique responsibility to attempt to supply copies of agricultural publications not found elsewhere. Filling requests for materials readily available from other sources would divert its resources and diminish its ability to serve as a national source for agricultural and agriculturally related publications. Therefore, NAL should be viewed as a library of last resort. Requestors should submit requests first to State/region/network sources prior to sending to NAL. Within the United States, possible sources are the land-grant university or other large research libraries within a state. Requesters in other countries should first try major university, national or provincial institutions. If the needed publications are not available from these sources, the requests may be submitted to NAL with a statement indicating their non-availability.

• Requests may be submitted on the American Library or the International Library interlibrary request form, by TWX (710-828-0506) or via the OCLC interlibrary loan subsystem. Our OCLC symbol is **AGL**, and we request that the symbol be entered twice. The complete name of the person authorizing the request is to appear on each form.

• The standard bibliographic source which lists the title as owned by NAL should be noted on each request. Requests for periodical articles should be verified. If verification is not possible, indicate the sources searched and give the sourceof the citation requested. Those requests which are verified or for which the citation source has been given receive a more thorough search. Unverified requests may be returned. If the citation is from an NAL database (CAIN/AGRICOLA, *Bibliography of Agriculture*, or the NAL catalog) and the call number is given, this call number should be included on the request.

LOAN SERVICE – Monographs published in the United States or abroad may be lent to U.S. libraries. Monographs published in the U.S. may be lent to libraries in other countries. The loan period is one month unless a shorter period is indicated on the due slip. The loan may be renewed for an additional month if there is no reserve request. The renewal request should be received prior to the due date. The borrowing library is responsible from the time of dispatch for any loss or damage incurred.

The following materials are **not** available for loan: serials (except for USDA serials), rare, reference and reserve books microforms, and proceedings of conferences or symposiums. Photocopy or microform of the non-circulating publications will be supplied automatically as described below if the requesting organization indicates that this is acceptable on the loan request form.

PHOTODUPLICATION SERVICE – A separate completed interlibrary form should be submitted for each article requested. Willingness to pay charges should be indicated on the form. Indicate compliance with copyright law or include a statement that the article is for research purposes only. Requests cannot be processed without these statements.

Rates are:

Electrostatic copy, microfilm and microfiche –
$ 5.00 for the first 10 pages or fraction copied from a single article or publication.
$ 3.00 for each additional 10 pages or fraction.

Duplication of NAL-owned microfilm – $ 10.00 per reel.

Duplication of NAL-owned microfiche– $ 5.00 for the first fiche and $ .50 for each additional fiche.

Billing – Fees include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Requesters are encouraged to establish deposit accounts with NTIS.
DO NOT SEND PREPAYMENT.

SEND REQUESTS TO – USDA, National Agricultural Library, Lending Branch, ILL, Beltsville, Maryland 20705. Questions concerning these services may be made by correspondence to Head, Lending Branch or by telephoning (301) 344-3755.

NOTE –
• Once requests have been accepted and processing has begun, requests cannot be cancelled. The appropriate charge for filling requests will be applied.

Form NAL-8A (10/84)

United States Department of Agriculture | National Agricultural Library | Public Services Division | Beltsville, Maryland 20705

DOCUMENT DELIVERY SERVICES TO INDIVIDUALS

The National Agricultural Library (NAL) has a unique responsibility to attempt to supply copies of agricultural publications not found elsewhere. Filling requests for materials readily available from other sources would divert its resources and diminish its ability to serve as a national source for agricultural and agriculturally related publications. Therefore, NAL should be viewed as a library of last resort and individuals should submit requests first to local or state sources prior to sending to NAL. Possible sources are the land-grant university or other large research libraries within a state. If the needed publications are not available from these sources, the requests may be submitted to NAL with a statement indicating their non-availability.

Individuals in other countries should submit requests through major university, national or provincial institutions.

LOAN SERVICE – Materials in the collection are loaned only to other *libraries*. Requests for loans should be made through local public, academic or special libraries.

The following materials are **not** available for loan: serials (except USDA serials); rare, reference, and reserve books; microforms; and proceedings of conferences or symposiums. Photocopy or microform of non-circulating publications may be purchased as described below.

PHOTODUPLICATION SERVICE – Use "USDA Request for Photocopying" (form LF-607) which may be requested in advance from our Library. A *separate form* should be submitted for each article or item requested. Requests should be as complete as possible with a minimum of abbreviation. The source of the citation should be given. If the citation is from an NAL database (CAIN/AGRICOLA, *Bibliography of Agriculture*, or the NAL catalog) and the call number is given, that call number should be listed in the proper block on the request form. Willingness to pay charges should be indicated on the form. Indicate compliance with copyright law or include a statement that the article is for research purposes only. Requests cannot be processed without these statements.

Rates are:

Electrostatic copy, microfilm and microfiche –
$ 5.00 for the first 10 pages or fraction copied from a single article or publication.
$ 3.00 for each additional 10 pages or fraction.

Duplication of NAL-owned microfilm – $ 10.00 per reel.

Duplication of NAL-owned microfiche– $ 5.00 for the first fiche and $ .50 for each additional fiche.

Billing – Fees include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Requesters are encouraged to establish deposit accounts with NTIS.
DO NOT SEND PREPAYMENT.

SEND REQUESTS TO – USDA, National Agricultural Library, Lending Branch, ILL, Beltsville, Maryland 20705. Questions concerning these services may be made by correspondence to Head, Lending Branch or by telephoning (301) 344-3755.

NOTE –

• Once requests have been accepted and processing has begun, requests cannot be cancelled. The appropriate charge for filling requests will be applied.

Form NAL-9A (10/84)

INTRODUCTION

The citations in this bibliography are selected from works by U.S. authors on all aspects of the protection of corn from diseases, insects, nematodes, chemicals, or other environmental conditions which affect the yield and quality of this commodity. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the master bibliographic database compiled by the National Agricultural Library for its 1.8-million-volume collection.

This is the first bibliography in a series jointly sponsored by the National Agricultural Library, United States Department of Agriculture (USDA-NAL), and the Office of Pesticides Programs, Environmental Protection Agency (EPA-OPP). Additional volumes planned in the immediate future will concern protection of soybeans, cotton, wheat, grain sorghum, rice, peanuts, and tobacco.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and in the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is also included in the publication.

The Office of Pesticide Programs, EPA, has furnished technical assistance to the compiler through members of a commodity-oriented environmental data team which included:

Charles D. Reese
H. Irving Brigham
Bernard Schneider, PhD.
Richard Petrie

Any comments or questions may be forwarded to the compiler:

Charles N. Bebee
USDA, National Agricultural Library
Room 203
Beltsville, MD 20705
(301) 344-3937

CONTENTS

	Item No.
Research	1-2
Meteorology and Climatology	3-5
History	6
Extension and Advisory Work	7
U.S. Extension	8
Legislation	9-12
Economics	13-14
Economics of Agricultural Production	15
Farm Organization and Management	16-18
Plant Production-General	19-22
Plant Production-Horticultural Crops	23-34
Plant Production-Field Crops	35-88
Plant Breeding	89-204
Plant Ecology	205
Plant Structure	206-210
Plant Nutrition	211-222
Plant Physiology and Biochemistry	223-245
Plant Taxonomy and Geography	246
Protection of Plants	247-256
Pests of Plants-General and Misc.	257-278
Pests of Plants-Insects	279-721
Pests of Plants-Nematodes	722-781
Plant Diseases-General	782-806
Plant Diseases-Fungal	807-1,039
Plant Diseases-Bacterial	1,040-1,064
Plant Diseases-Viral	1,065-1,187
Plant Diseases-Physiological	1,188-1,207
Miscellaneous Plant Disorders	1,208-1,288
Protection of Plant Products-General and Misc.	1,289-1,302
Protection of Plant Products-Insects	1,303-1,321
Weeds	1,322-1,472
Pesticides-General	1,473-1,565
Soil Biology	1,566-1,571
Soil Chemistry and Physics	1,572-1,576
Soil Fertility-Fertilizers	1,577-1,588
Soil Cultivation	1,589-1,608
Forestry Related	1,609,1,610
Forest Products-Wood	1,611
Entomology Related	1,612-1,625
Apiculture Related	1,626
Animal Production	1,627
Animal Genetics	1,628
Animal Ecology	1,629-1,645
Animal Nutrition	1,646
Animal Physiology and Biochemistry	1,647-1,649

CONTENTS

	Item No.
Animal Taxonomy and Geography	1,650-1,651
Pests of Animals-Insects	1,652-1,656
Pests of Animals-Helminths	1,657
Pests of Animals-Protozoa	1,658
Animal Diseases-Physical	1,659-1,660
Animal Disorders-Physical Trauma	1,661-1,663
Nonfood	1,664-1,665
Structures and Structural Equipment	1,666
Farm Equipment	1,667-1,668
Natural Resources	1,669
Conservation and Use of Energy	1,670-1,671
Drainage and Irrigation	1,672-1,675
Food Processing and Field Crops	1,676-1,677
Microbiology-Food Crop	1,678
Food Contamination and Toxicology	1,679
Food Composition	1,688
Feed Processing and Storage	1,689-1,693
Feed Contamination Toxicology	1,694-1,699
Agricultural Products-Plant	1,708-1,701
Pollution	1,702-1,718
Mathematics and Statistics	1,719-1,723

EPA BIBLIOGRAPHY

RESEARCH

0001

Electronic circuit for detecting leaf wetness and comparison of two sensors (Relationship between microclimate and plant disease, beans, maize, onions).
Weiss, A. Lukens, D.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 41-43. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0002

Regional coordination of scientists' initiatives in interdisciplinary research (Corn virus research as an example).
Barnes, J.M. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1982. 1982. (19). p. 135-138. (NAL Call No.: S1.M52).

METEOROLOGY AND CLIMATOLOGY

0003

Effect of wind on the crop water stress index derived by infrared thermometry (Sorghum bicolor, Zea mays, Phaseolus vulgaris, Gossypium hirsutum).
O'Toole, J.C.AGJOA. Hatfield, J.L. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 811-817. ill. Includes references. (NAL Call No.: 4 AM34P).

0004

Effects of precipitation and wind on populations of adult European corn borer (Lepidoptera: Pyralidae) (Ostrinia nubilalis).
Sappington, T.W.EVETB. Showers, W.B. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1193-1196. Includes references. (NAL Call No.: QL461.E532).

0005

Southwestern corn borer (Diatraea grandiosella) populations as affected by weather and tillage.
Daniels, N.E. TX. Chedester, L.D. College Station, Tex., The Station. MP - Texas, Agricultural Experiment Station. July 1980. July 1980. (1456). 5 p. 12 ref. (NAL Call No.: 100 T31M).

HISTORY

0006

Introduction: History, geographical distribution, pathogen characteristics, and economic importance (Corn virus diseases). Gordon, D.T. Bradfute, O.E.; Gingery, R.E.; Knoke, J.K.; Louie, R.; Nault, L.R.; Scott, G.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 1-12. (NAL Call No.: 100 G29SO).

0007

Avoiding black cutworm (Lepidoptera: Noctuidae) losses in corn through education: evaluation of a grower-oriented manual/computer model instructional package (Agrotis ipsilon).
Troester, S.J.BESAA. Ruesink, W.G. College Park : The Society. Bulletin of the Entomological Society of America. Dec 1982. v. 28 (4). p. 349-353. Includes references. (NAL Call No.: 423.9 EN8).

0008

A Nebraska dividend--4-H'ers and IPM (Integrated Pest Management, pests of maize). Andersen, L.W. Deith, D.L. Washington, D.C., The Administration. Extension review - United States Department of Agriculture, Science and Education Administration. Winter 1981. v. 52 (1). p. 16-17. ill. (NAL Call No.: 1 EX892EX).

LEGISLATION

0009

The farm pesticide industry.
Eichers, T.R. Washington, D.C., The Department. Extract: The primary objective of this study is to analyze the nature of the pesticide industry by smaller component markets (submarkets) and evaluate its structure, conduct, and performance. The study also examines some of the implications of pesticide regulations on the pesticide industry and on farm pesticide use. Agricultural economic report - United States Dept. of Agriculture. Sept 1980. Sept 1980. (461). 24 p. 39 ref. (NAL Call No.: A281.9 AG8A).

0010

Method of controlling the European corn borer with trewiasine (Novel maytansinoid compound discovered in the seed tissue of Trewia nudiflora; characterized by a distinguishing methoxy group on the carbon-15 isotope carbon; Pyrausta nubilalis; citation only).
Freedman, B. Powell, R.G.; Smith, C.R. Jr. Washington, D.C. : The Office. United States patent - United States Patent Office. Feb 16, 1982. Copies of USDA patents are available for a fee from the Commissioner of Patents and Trademarks, U.S. Patents and Trademarks Office, Washington, D.C. 20231. Feb 16, 1982. (4,315,929). 5 p. Includes references. (NAL Call No.: NO CALL NO. (PAT)).

0011

Sex attractant for corn earworm moths (Combination of (Z)-11-hexadecenal and (Z)-9-hexadecenal; citation only).
Klun, J.A. Plimmer, J.R.; Sparks, A.N.; Leonhardt, B.B. Washington, D.C., The Office. United States patent - United States Patent Office. Aug 5, 1980. Copies of USDA patents are available for a fee from the Commissioner of Patents and Trademarks, U.S. Patents and Trademarks Office, Washington, D.C. 20231. Aug 5, 1980. (4,216,202). 4 p. 1 ref. (NAL Call No.: No Call No. (PAT)).

0012

Witchweed regulated areas changed in North and South Carolina (Striga asiatica, a parasitic plant attacking corn, sorghum and other crops).
Washington : The Office. Major news releases and speeches - United States Department of Agriculture, Office of Governmental and Public Affairs. Oct 29/Nov 12, 1982. Oct 29/Nov 12, 1982. p. 23-24. (NAL Call No.: aS21.A8U51).

0013

The farm pesticide industry.
Eichers, T.R. Washington, D.C., The Department. Extract: The primary objective of this study is to analyze the nature of the pesticide industry by smaller component markets (submarkets) and evaluate its structure, conduct, and performance. The study also examines some of the implications of pesticide regulations on the pesticide industry and on farm pesticide use. Agricultural economic report - United States Dept. of Agriculture. Sept 1980. Sept 1980. (461). 24 p. 39 ref. (NAL Call No.: A281.9 AG8A).

0014

Social returns to disease and parasite control in agriculture: witchweed in the United States.
Emerson, P.M. Plato, G.E. Washington, The Service. Extract: This study provides ex ante estimates of the value to society of the U.S. Department of Agriculture's witchweed program. Program objectives are to contain and eradicate witchweed, a semiparasitic plant which reduces corn and grain sorghum yields. Critical elements which determine the social value are cost of the program, price elasticities of supply and demand, and shifts in supply occurring in the absence of a program. Agricultural economics research - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Jan 1978. v. 30 (1). p. 15-22. 21 ref. (NAL Call No.: 1 EC7AGR).

0015

Applying the economic threshold concept to control lesion nematodes on corn / Craig Osteen, A.W. Johnson, Clyde C. Dowler.
Osteen, Craig D. Johnson, A. W.; Dowler, Clyde C. Washington, D.C. U.S. Dept. of Agriculture, Economics Research Service 1982. Cover title ~"April 1982.". iv, 31 p. : ill. ; 22 cm. -. Includes bibliographical references. (NAL Call No.: 1 Ag84te no.1670).

0016

An economic engineering study of commercial grain storage in South Carolina (Corn, wheat, soybeans, costs and returns).
Shedd, D.T.SCAEA. Miller, S.E. Clemson : The Station. Bulletin - South Carolina Agricultural Experiment Station. July 1983. July 1983. (649). 18 p. Includes references. (NAL Call No.: 100 S08 (1)).

0017

Economic results of pest control intensity for a multiple cropping system (Turnip greens, Zea mays, southern peas, Vigna unguiculata, net returns, United States).
Epperson, J.E. Dowler, C.C.; Chalfant, R.B.; Johnson, A.W.; Glaze, N.C.; Sumner, D.R. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1982. v. 107 (4). p. 624-627. 19 ref. (NAL Call No.: 81 S012).

0018

Impacts of pesticide withdrawal on a typical Indiana farm: an economic analysis.
Cashman, C.M. Martin, M.A.; McCarl, B.A. West Lafayette, The Station. Extract: This bulletin analyzes the short-run, farm-level economic impacts of possible Environmental Protection Agency bans on the use of selected corn and soybean pesticides commonly used in Indiana and elsewhere in the Corn Belt. Station bulletin - Dept. of Agricultural Economics, Agricultural Experiment Station, Purdue University. Sept 1980. Sept 1980. (291). 119 p. 19 ref. (NAL Call No.: HD1775.I6I5).

0019

Annual progress report - 1980 : Northern Research Center, Clarion- Webster Research Center / Iowa State University of Science and Technology.
1981. This publication contains researched information on planting dates verses plant population, breeding, cold tolerance and Zn, S, K fertilization for corn. Soybean information on brown stem rot and bacterial tan spot is provided. Additional topics include herbicide evaluation, small grain tests, and vegetable garden demonstrations. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 24 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 80-14,22).

0020

Annual progress report-1979 : Allee Research Center, Newell, Iowa / Iowa State University of Science and Technology.
1980. This publication reports the performance of different corn silage levels on confinement cattle that either had shelter or did not have shelter. Included is a discussion on the effects of season and weight on yearling steer feedlot performance. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 8 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 79-31).

0021

Harvesting, drying, and storing blighted corn.
McKenzie, Bruce A. Richey, Clarence B. 1970. This publication explains what blighted corn is and the method used to handle and store the diseased product. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 9 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: AE-78).

0022

Methiocarb and thiram as corn seed repellents for thirteen-lined ground squirrels.
Zurcher, N.J.WLSBA. Johnson, R.J.; Timm, R.M. Bethesda : The Society. Wildlife Society bulletin. Spring 1983. v. 11 (1). p. 38-42. Includes references. (NAL Call No.: SK357.A1W5).

0023

Effect of herbicides applied to corn on subsequent tomato, pepper, and cucumer crops (Florida).
Everett, P.H. Kalmbacher, R.S.; Chambliss, C.; Teem, D.H. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 122-125. 12 ref. (NAL Call No.: 56.9 S032).

0024

Effective control of sweet corn rust--Puccinia sorghi (Fungicides, southern California).
Paulus, A.D. Nelson, J.; Hall, B. Berkeley : The Service. California plant pathology - Cooperative Extension Service, University of California. June 1983. June 1983. (63). p. 3-5. (NAL Call No.: SB599.C3).

0025

Germination techniques and metribuzin bioassay for large-seeded crops (Soybean, corn, cowpeas, herbicide).
Singh, M.PFSHA. Phatak, S.C.; Glaze, N.C. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 336-339. ill. Includes references. (NAL Call No.: 81 F66).

0026

Management of corn insects.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training Collection. 49 slides : col. + 1 sound cassette (18:06 min.) + 1 script. (NAL Call No.: Slide no.1).

0027

Sweet corn pest management : a better way / Donald J. Prostak.
Prostak, Donald J. (New Brunswick Cooperative Extension Service, Cook College), Rutgers, the State University of New Jersey 1973?. Cover title. 12 p. : ill. ; 28 cm. -. (NAL Call No.: 275.29 N46 no.422).

0028

Yield response of sweet corn to maize dwarf mosaic virus (20 cultivars, Illinois).
Mikel, M.A. D'Arcy, C.J.; Rhodes, A.M.; Ford, R.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 900-901. 7 ref. (NAL Call No.: 1.9 P69P).

0029

1979 pesticide use on Florida vegetables, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the 1979 Vegetable Pesticide Survey, nearly 4.6 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on six vegetable crops in Florida. The six vegetable crops included cabbage, celery, lettuce, sweet corn, tomatoes, and watermelon. About 4.6 million acre-treatments were made ranging from 2.2 million for tomatoes to 148,800 for cabbage. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. July 1981. Available from NTIS. July 1981. (AGESS810708). 23 p. 6 ref. (NAL Call No.: 916762(AGE)).

0030

1979 pesticide use on vegetables in the Northeast, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, approximately 1.3 million pounds of pesticides were used to control weeds, insects, diseases and nematodes on 10 vegetable crops in New York and New Jersey. The 10 vegetable crops include cabbage, carrots, celery, cucumbers, green peas, lettuce, onions, snap beans, sweet corn, and tomatoes. Approximately 825,000 acre-treatments were made ranging from 262,000 for sweet corn to 700 for carrots. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS. Dec 1981. (AGES811218). 37 ref. 7 ref. (NAL Call No.: 916762(AGE)).

0031

1979 pesticide use on vegetables in the Northwest, a preliminary report.
Kuntz, B.T. Ferguson, W.L. Washington, D.C., The Service. Extract: According to a 1979 Vegetable Pesticide Survey, nearly 1.3 million pounds of pesticides were used to control weeds, insects, fungi, and nematodes on seven vegetable crops in Idaho, Dregon, and Washington. The seven vegetable crops included cabbage, carrots, green peas, lettuce, onions, snap beans, and sweet corn. Approximately 671,000 acre-treatments were made ranging from 255,000 for sweet corn to 1,800 for cabbage. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Mar 1982. Available from NTIS. Mar 1982. (AGES820305). 32 p. 4 ref. (NAL Call No.: 916762(AGE)).

0032

1979 pesticide use on vegetables in the Southeast, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: In this report, patterns of pesticide use in the Southeast (North Carolina, South Carolina, and Georgia) in 1979 are discussed for cabbage, cantaloups, cucumbers, snap beans, sweet corn, tomatoes, and watermelons. Survey data were collected on quantities of pesticides used, acres treated, acre-treatments, number of applications, annual rates, and rate per acre-treatment. This report provides information useful to policymakers, researchers, extension specialists, and industry personnel. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Oct 1981. Available from NTIS. Oct 1981. (AGES811029). 32 p. 11 ref. (NAL Call No.: 916762(AGE)).

0033

1979 pesticide use on vegetables in the Southwest, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Abstract: According to U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, about 1.7 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on 10 vegetable crops in Arizona, Colorado, and Texas. The 10 vegetable crops included cabbage, cantaloups, carrots, cucumbers, lettuce, onions, snap beans, sweet corn, tomatoes, and watermelons. Nearly 1.1 million acre-treatments were made ranging from about 284,000 for onions to 4,000 for cucumbers and snap beans. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS - order no. PB82-166-885. Dec 1981. (AGES811221). 45 p. 7 ref. (NAL Call No.: 916762(AGE)).

0034

1980 pesticide use on field corn in the Northern Plains / by Michael Hanthorn ... (et al.).
Hanthorn, Michael. Washington, D.C. Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture Springfield, Va. NTIS 1982. February 1982 ~PB82-220120. iii, 23 leaves : map ; 28 cm. -. Bibliography: p. 19. (NAL Call No.: aSB608.M2N5).

0035

Aflatoxin and aspergillus flavus in corn / edited by Urban L. Diener (Editor-in-Chief), Richard L. Asquith, (and) J.W. (Bill) Dickens.
Diener, Urban L. Auburn University, Alabama Department of Research Information, Alabama Agricultural Experiment Station 1983. "...consists of manuscripts prepared for the Symposium on 'Aflatoxin and Aspergillus Flavus in Corn' held in Atlanta, Georgia on January 26 and 27, 1982. ~Includes index. iv, 112 p. : ill. ; 28 cm. -. Bibliography: p. 91-105. (NAL Call No.: 100 G29So no.279).

0036

Agronomic practices influence black cutworm (Agrotis ipsilon) damage on corn.
Levine, E. Clement, S.L.; McCartney, D.A. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Mar/Apr 1981. v. 66 (2). p. 29-30. ill. (NAL Call No.: 100 OH3S (3)).

0037

Allowable storage time of corn as affected by heat buildup, natural convection and aeration.
Brooker, D.B. Duggal, A.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. May/June 1982. v. 25 (3). p. 806-810. 6 ref. (NAL Call No.: 290.9 AM32T).

0038

Annual progress report - 1980 : Northern Research Center, Clarion- Webster Research Center / Iowa State University of Science and Technology.
1981. This publication contains researched information on planting dates verses plant population, breeding, cold tolerance and Zn, S, K fertilization for corn. Soybean information on brown stem rot and bacterial tan spot is provided. Additional topics include herbicide evaluation, small grain tests, and vegetable garden demonstrations. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 24 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 80-14,22).

0039

Annual progress report-1979 : Allee Research Center, Newell, Iowa / Iowa State University of Science and Technology.
1980. This publication reports the performance of different corn silage levels on confinement cattle that either had shelter or did not have shelter. Included is a discussion on the effects of season and weight on yearling steer feedlot performance. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 8 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 79-31).

0040

Annual progress report-1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication discusses the research center experiments on tiling methods, time of planting corn, S and Zn fertilizers, fuel and time requirements for tillage system, organic and chemical farming, soybean bacterial tan spot loss, and pasture nutrient losses. Herbicide evaluation and crop variety tests are included. 19 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-13).

0041

Chemical weed control in field corn for 1982.
Kerr, Harold D. Scott, Joseph H.; Peters, E. J.; Anderson, L. E.; Fletchall, O. Hale.; Guethle, David.& Part 2 :; pre-emergence and postemergence. Document available from: University of Missouri, Extension Publication, 211 Whitten Hall, Columbia, Missouri 65201 1982. This publication discusses various herbicides and when to apply them. 8 p. (NAL Call No.: Document available from source.).(NAL Call No.: 4136).

0042

Chemical weed control in field corn for 1982.
Kerr, Harold D. Scott, Joseph H.; Peters, E. J.; Anderson, L. E.; Helsel, Zane R.; Guscar, Howard.& Part 1 :; preplanting incorporated treatments. Document available from: University of Missouri, Extension Publication, 211 Whitten Hall, Columbia, Missouri 65201 1982. This publication discusses herbicide evaluation and application rates. Topics include various herbicides and their uses. 4 p. (NAL Call No.: Document available from source.).(NAL Call No.: 4135).

0043

Chemicals for weed control in corn / Gerald R. Miller.
Miller, Gerald R. (St. Paul, Minn.) Agricultural Extension Service, University of Minnesota 1981. Pesticide Applicator Training Collection ~Cover title. (2) p. ; 28 cm. -. (NAL Call No.: SB608.M2M5 1981).

0044

Crop rotation vs. monoculture. I. Insect control (Pests of maize, cotton, rice, soybeans, sorghum).
Barnes, G. Madison, Wis., American Society of Agronomy. Crops and soils magazine. Jan 1980. v. 32 (4). p. 15-17. ill. (NAL Call No.: 6 W55).

0045

Damage and yield reduction in field corn due to black cutworm (Lepidoptera: Noctuidae) feeding: results of a computer simulation study (Agrotis ipsilon, Illinois).
Troester, S.J.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1125-1131. 10 ref. (NAL Call No.: 421 J822).

0046

Diseases of corn.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training collection ~Cassette title: Wheat diseases and armyworms. 50 slides : col. + 1 sound cassette (17:40 min.) + 1 script. (NAL Call No.: Slide no.19).

0047

Distribution of damage in maize combine cylinder and relationship between physico-rheological properties of shelled grain and damage / by Ali Ramadan Mahmoud.
Mahmoud, Ali Ramadan. Ann Arbor, Mich. University Microfilms 1973. Thesis--Iowa State University, 1972. Facsimile produced by microfilm-xerography. iii, 215 leaves. Bibliography: leaves 153-167. (NAL Call No.: DISS 73-3,908).

0048

Effect of age of bahiagrass (Paspalum notatum) sod on succeeding corn crops (Nematodes, Florida).
Norden, A.J. Perry, V.G.; Martin, F.G.; NeSmith, J. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 118-121. 10 ref. (NAL Call No.: 56.9 S032).

0049

Effect of nitrogen fertilizer, planting date, and harvest date on aflatoxin production in corn inoculated with Aspergillus flavus (North Carolina).
Jones, R.K. Duncan, H.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1981. v. 65 (9). p. 741-744. ill. 23 ref. (NAL Call No.: 1.9 P69P).

0050

Effect of seedborne Fusarium moniliforme and irrigation scheduling on colonization of root and stalk tissue, stalk rot incidence, and grain yields (Corn, Zea mays).
El-Meleigi, M.A.CRPSAY. Claflin, L.E.; Raney, R.J. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1025-1028. Includes references. (NAL Call No.: 64.8 C883).

0051

The European corn borer in Virginia presented by Virginia Tech ; (written by Joseph L. Despins).
Despins, Joseph L. (Blacksburg, Va.) Virginia Polytechnic Institute and State University (1981?). Pesticide Applicator Training Collection. 48 slides : col. + 1 sound cassette (12:30 mins.) + 1 script. (NAL Call No.: Slide no.25).

0052

Fall armyworm resistance in corn and its supression of larval survival and growth (Spodoptera frugiperda, Zea mays, corn genotypes, comparisons).
Williams, W.P.AGJOA. Davis, F.M.; Wiseman, B.R. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 831-832. Includes references. (NAL Call No.: 4 AM34P).

0053

Fertilizer reduces yield loss from weather stress (Corn, soybeans, research in Ohio).
Johnson, J.BCPFA. Atlanta : Potash & Phosphate Institute. Better crops with plant food. Summer 1983. v. 67. p. 6-7. (NAL Call No.: 6 B46).

0054

Field comparisons of planting time applications of Lorsban 15G insecticide for control of black cutworm and corn rootworm in corn (Agrotis ipsilon, Diabrotica, species).
French, L.K. French, J.A. Midland, Mich., Agricultural Products Dept., Dow Chemical Co. Down to earth. Spring 1979. v. 35 (2). p. 1-5. ill. (NAL Call No.: 381 D75).

0055

Forage production and weed control in a double-cropping program (Avena sativa, Zea mays, Glycine max, Sorghum bicolor, Wisconsin).
Okoli, P.S.O. Drolsom, P.N.; Scholl, J.M. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 363-366. Includes references. (NAL Call No.: 4 AM34P).

0056

Grain yields, soil water storage, and weed growth in a winter wheat-corn-fallow rotation (Nebraska).
Hoefer, R.H. Wicks, G.A.; Burnside, O.C. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 1066-1071. 15 ref. (NAL Call No.: 4 AM34P).

0057

Guidelines.
Nelson, L. V. Robertson, L. S.; Erdmann, M. H.; Guisenberry, D.; White, R. G.& No till corn: 1. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, Michigan 48824 1976. This publication discusses guidelines for no till corn including soil adaptation, equipment requirements, and control of weeds. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Extension Bulletin E-904).

0058

Herbicide incorporation and reduced tillage (Maize).
San Francisco, California Farmer Publishing Co. Agrichemical age. Apr 1981. v. 25 (4). p. 26-27. ill. (NAL Call No.: 381 AG85).

0059

How the 1983 weather hurt the corn crop (Drought, yield, Corn Belt).
Thompson, L.M. Atlanta, Ga. : Potash & Phosphate Institute. Better crops with plant food. Summer 1984. v. 68. p. 18-19. ill. (NAL Call No.: 6 B46).

0060

In the Southeast managing corn diseases and nematodes.
Crawford, J.L. San Francisco, California Farmer Publishing Co. Agrichemical age. Mar 1981. v. 25 (3). p. 6-7, 44. ill. (NAL Call No.: 381 AG85).

0061

Influence of herbicides and tillage on sweet corn double cropped after peas (Dinitroaniline herbicides).
Ndon, B.A. Harvey, R.G. Madison, Wis., American Society of Agronomy. Agronomy journal. 1981. v. 73 (5). p. 791-795. 19 ref. (NAL Call No.: 4 AM34P).

0062

Inheritance and survival on field corn of European corn borer larvae reared on a meridic diet / by Yogendra Singh Rathore.
Rathore, Yogendra Singh. Ann Arbor, Mich. University Microfilms 1973. Thesis--Iowa State University, 1972. Facsimile produced by microfilm-xerography. ii, 70 leaves. Bibliography: leaves 55-59. (NAL Call No.: DISS 73-3,925).

0063

Insect pest management for corn on the western Great Plains.
Manhattan, Kansas Cooperative Extension Service, Kansas State University 1981. Publication was written by a committee of extension entomologists, supported by a grant from the Extension Service, U.S. Department of Agriculture. 36 p. : ill. (some col.) ; 28 cm. -. (NAL Call No.: 275.29 K13Ex no.612).

0064

Irrigated corn yield response to nitrogen and water (Zea mays, plant water stress, irrigation methods, fertilizer trials, Texas).
Eck, H.V. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 421-428. ill. Includes references. (NAL Call No.: 4 AM34P).

0065

Maize weevil : a search for resistance in converted exotic sorghum kernels / G.L. Teetes ... (et al.).
Teetes, G. L. College Station, Tex. Texas Agricultural Experiment Station 1981. 38 p. 28 cm. -. Bibliography: p. 16-18. (NAL Call No.: 100 T31S (1) no.1371).

0066

Maize yields and soil nutrient levels with and without pesticides and standard commercial fertilizers (Organic farming).
Lockeretz, W. Shearer, G.; Sweeney, S.; Kuepper, G.; Wanner, D.; Kohl, D.H. Madison, Wis., American Society of Agronomy. Agronomy journal. Jan/Feb 1980. v. 72 (1). p. 65-72. ill. 18 ref. (NAL Call No.: 4 AM34P).

0067

Managing cutworms in corn.
Foster, David E. Stockdale, H. J. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication identifies black and dingy cutworms, scouting techniques, recommended controls, and mentions briefly glassy and sandhill cutworms. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Pm-887).

0068

Mechanisms of host plant resistance in corn to the corn earworm Heliothis zea (Boddie) (Lepidoptera, Noctuidae) / by Richard W. Straub.
Straub, Richard W., 1940. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Missouri, Columbia, 1972. Facsimile produced by microfilm-xerography. xiv, 222 leaves. Bibliography: leaves 217-219. (NAL Call No.: DISS 73-7,098).

0069

Performance of corn hybrids exposed to corn viruses in Ohio in 1980.
Findley, W.R. Louie, R.; Knoke, J.K.; Ryder, G.J. Wooster, The Center. Agronomy Department series - Ohio Agricultural Research and Development Center. Jan 1981. Jan 1981. (213). 8 p. (NAL Call No.: 100 OH32).

0070

Post-PIK (payment in kind) management--corn, soybean weed control (United States).
Knake, E.L. Madison, Wis. : American Society of Agronomy. Crops and soils magazine. Dec 1983. v. 36 (3). p. 15-17. ill. (NAL Call No.: 6 W55).

0071

Problems with irrigated corn, 1982 (Response to nitrogen, Minnesota).
Fenster, W.E.MXMRA. Overdahl, C.J. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1983. 1983. (2 rev.). p. 104-106. (NAL Call No : S1.M52).

0072

Regrowth of corn seedlings after injury at different growth stages by black cutworm, Agrotis ipsilon (Lepidoptera: Noctuidae) larvae.
Levine, E.JEENA. Clement, S.L.; Rubink, W.L.; McCartney, D.A. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 389-391. Includes references. (NAL Call No.: 421 J822).

0073

Response of peanut, corn, tobacco, and soybean to Criconemella ornata (Nematode, yields).
Barker, K.R.JONEB. Schmitt, D.P.; Campos, V.P. Ames : Society of Nematologists. Journal of nematology. Oct 1982. v. 14 (4). p. 576-581. Includes references. (NAL Call No.: QL391.N4J62).

0074

Response of several genetic sources of corn to acidic soil (Zea mays, breeding for stress tolerance).
Sherchan, K.AGJOA. Ellis, R. Jr.; Whitney, D.A.; Wassom, C.E. Madison : American Society of Agronomy. Agronomy journal. Nov/Dec 1983. v. 75 (6). p. 993-996. Includes references. (NAL Call No.: 4 AM34P).

0075

Stand establishment and yield of corn as affected by herbicides and seed vigor (Illinois).
Johnson, R.R. Wax, L.M. Madison, Wis., American Society of Agronomy. Agronomy journal. 1981. v. 73 (5). p. 859-863. 15 ref. (NAL Call No.: 4 AM34P).

0076

Summary of insecticide uses in Iowa for 1981 corn production.
Stockdale, Harold J. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. Included are topics on insecticide uses for commonly found insects. Insects, insecticides, application rates and nonchemical control methods are covered. 1 sheet. (NAL Call No.: Document available from source.).(NAL Call No.: IC-404).

0077

Sweet corn budworm damage as affected by tillage (Spodoptera frugiperda, Pseudaletia unipuncta, Heliothis zea).
Clough, G.H. Halsey, L.H. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 251-253. 14 ref. (NAL Call No.: 81 F66).

0078

Topping corn and delaying harvest for field drying (Diatrea grandiosella, grain moisture, yield).
Allen, R.R.TAAEA. Musick, J.T.; Hollingsworth, L.D. St. Joseph : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1982. v. 25 (6). p. 1529-1532. ill. Includes references. (NAL Call No.: 290.9 AM32T).

0079

Weed control.
Schultz, G. E. Meggitt, W. F.; Chase, R. W.& No till corn :; 4. Document available from: Michigan State Univ., Bulletin Office, P.O. Box 231, East Lansing, Michigan 48824 1979. This discusses herbicides used for vegetation control on no-till corn based on the type of vegetation cover. It also discusses herbicide safety. 5 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Extension Bulletin E-907).

0080

Weed control experiments in corn.
Leasure, J.K. Carbondale, Ill., Southern Illinois University. AG reviewSouthern Illinois University. School of Agriculture. 1981. 1981. p. PLSS48-PLSS53. (NAL Call No.: S537.S5S6).

0081

Weed control in a winter wheat-corn-ecofarming rotation (Reduced tillage, row spacing, seeding rates, Triticum aestivum, Zea mays, Nebraska).
Vander Vost, P.B.AGJOA. Wicks, Gg.A.; Burnside, O.C. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 507-511. ill. Includes references. (NAL Call No.: 4 AM34P).

0082

Weed control in commercial sweet corn production.
Doersch, R. E. Doll, J. D. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1982. This publication lists herbicide treatments for specific weed problems; specifically for commercial sweet corn production. 11 p. (NAL Call No.: Document available from source.).(NAL Call No.: A2345).

0083

Weed control in corn planted into untilled winter wheat stubble.
Burnside, O.C. Wicks, G.A. Madison, Wis., American Society of Agronomy. Agronomy journal. May/June 1982. v. 74 (3). p. 521-526. Includes 12 ref. (NAL Call No.: 4 AM34P).

0084

1980 corn and grain sorghum performance tests (Hybrids, yields, insect resistance, Georgia).
Athens, Ga., The Stations. Research report - University of Georgia, Experiment Stations. Jan 1981. Jan 1981. (370). 54 p. ill., map. Includes bibliography. (NAL Call No.: S51.E22).

0085

1980 pesticide use on field corn in the Corn Belt.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service. Extract: Farmers reported that 144.8 million pounds (a.i.) of pesticides were applied to field corn in the Corn Belt during 1980. This consisted of 127 million pounds (a.i.) of herbicides and 17.8 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 75.5 million and consisted of 43.6 million with single material herbicides, 15.7 million with herbicide mixes, and 16.2 million with insecticides. The primary herbicides were alachlor, atrazine, butylate, and 2,4-D. The major insecticides were carbofuran, fonofos, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Jan 1982. Available from NTIS - order no. PB82-165-481. Jan 1982. (AGES820120). 30 p. 5 ref. (NAL Call No.: 916762(AGE)).

0086

1980 pesticide use on field corn in the Lake States.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service. Extract: Farmers reported that 49.3 million pounds (a.i.) of pesticides were applied to field corn in the Lake States during 1980. This consisted of 43.4 million pounds (a.i.) of herbicides and 5.9 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 26.3 million and consisted of 16 million with single material herbicides, 4.7 million with herbicide mixes, and 5.6 million with insecticides. The primary herbicides were alachlor, atrazine, cyanazine, and 2,4-D. The major insecticides were carbofuran, fonofos, phorate, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Jan 1982. Available from NTIS - order no. PB82-166-893. Jan 1982. (AGES820118). 23 p. 4 ref. (NAL Call No.: 916762(AGE)).

0087

1980 pesticide use on field corn in the major producing states.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service.
Extract: Farmers reported that 245.9 million pounds (a.i.) of pesticides were applied to field corn in the major producing States during 1980. This consisted of 209.5 million pounds (a.i.) of herbicides and 36.4 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 135.4 million and consisted of 73.8 million with single material herbicides, 25.7 million with herbicide mixes, and 35.9 million with insecticides. The primary herbicides were alachlor, atrazine, and 2,4-D. The major insecticides were carbofuran, fonofos, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Feb 1982. Available from NTIS. Feb 1982. (AGES820202). 33 p. 4 ref. (NAL Call No.: 916762(AGE)).

0088

1980 pesticide use on field corn in the Northern Plains.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service.
Extract: Farmers reported that 33.3 million pounds (a.i.) of pesticides were applied to field corn in the Northern Plains during 1980. This consisted of 23.7 million pounds (a.i.) of herbicides and 9.6 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 23.1 million and consisted of 9 million with single material herbicides, 3.6 million with herbicide mixes, and 10.5 million with insecticides. The primary herbicides were alachlor, atrazine, and 2,4-D. The major insecticides were carbofuran, dimethoate, fonofos, parathion, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Feb 1982. Available from NTIS. Feb 1982. (AGES820204). 23 p. 4 ref. (NAL Call No.: 916762(AGE)).

0089

Adaptation of cotton genotypes to an acid, manganese toxic soil (Eastern Corn Belt soils).
Foy, C.D. Webb, H.W.; Jones, J.E. Madison, Wis., American Society of Agronomy. Agronomy journal. Jan/Feb 1981. v. 73 (1). p. 107-111. ill. 14 ref. (NAL Call No.: 4 AM34P).

0090

Aflatoxin accumulation in developing kernels of eight maize single crosses after inoculation with Aspergillus flavus (Genetic control, breeding for resistance).
Thompson, D.L. Rawlings, J.O.; Zuber, M.S.; Payne, G.A.; Lillehoj, E.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1984. v. 68 (6). p. 465-467. Includes references. (NAL Call No.: 1.9 P69P).

0091

Aflatoxin in corn before harvest: interaction of hybrids and locations (Aspergillus flavus, mycotoxin, corn insects).
Lillehoj, E.B. Kwolek, W.F.; Zuber, M.S.; Bockholt, A.J.; Calvert, O.H.; Findley, W.R.; Guthrie, W.D.; Horner, E.S.; Josephson, L.M.; King, S. Madison, Wis., Crop Science Society of America. Crop science. Nov/Dec 1980. v. 20 (6). p. 731-734. 13 ref. (NAL Call No.: 64.8 C883).

0092

Artifical versus natural infestation for evaluation of kernel and stalk damage in maize by the european corn borer (Zea mays, Ostrinia nubilalis).
Grier, S.L. Davis, D.W. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1982. v. 107 (3). p. 519-521. 5 ref. (NAL Call No.: 81 SO12).

0093

AS9 sweet corn population (Sugary-1 breeding, resistance to European corn borer, Ostrinia nubilalis).
Davis, D.W. Grier, S.L. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 666-667. ill. 1 ref. (NAL Call No.: SB1.H6).

0094

Battling corn borers (Breeding for resistance)--Is there hope? Experts say it takes time.
St. Paul, Minn., Webb Co. Irrigation age. Sept 1979. v. 14 (1). p. 6-7. ill. (NAL Call No.: TC801.I7).

0095

Biochemical basis of resistance in corn to the corn leaf aphid (Rhopalosiphum maidis).
Beck, D.L.CRPSAY. Dunn, G.M.; Routley, D.G.; Bowman, J.S. Madison : Crop Science Society of America. Crop science. Sept/Oct 1983. v. 23 (5). p. 995-998. Includes references. (NAL Call No.: 64.8 C883).

0096

Brandes: a source of resistance to maize dwarf mosaic in swet sorghum (Abstract only).
Zummo, N. Freeman, K.C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 914. (NAL Call No.: 464.8 P56).

0097

Breeding for insect resistance (host plants, alfalfa, wheat, maize, cotton).
Jenkins, J.N. Ames : Iowa State University Press, 1981. Plant Breeding II : (proceedings) / edited by Kenneth J. Frey. p. 291-308. 2 p. ref. (NAL Call No.: SB123.P6 1979).

0098

Breeding for resistance to insects in corn.
Guthrie, W.D. TX-AR-NC. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 290-302. Bibliography p. 298-302. (NAL Call No.: 100 T31M).

0099

Breeding for resistance to pathogens in corn.
Toler, R.W. TX. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 283-289. 27 ref. (NAL Call No.: 100 T31M).

0100

Chemosensory responses of the rice weevil (Coleoptera:Curculionidae)to a susceptible and a resistant corn genotype (Sitophilus oryzae).
Gomez, L.A.JEENA. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F.; Smith, C.R. Jr. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1044-1048. ill. Includes references. (NAL Call No.: 421 J822).

0101

The CIMMYT's (International Maize and Wheat Improvement Center) interantional approach to breeding disease-resistant wheat.
Dubin, H.J. Rajaram, S. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1982. v. 66 (10). p. 967-971. ill., map. 15 ref. (NAL Call No.: 1.9 P69P).

0102

Comparison of gains predicted by several selection methods for cold tolerance traits of two maize populations.
Crosbie, T.M. AR-NC. Mock, J.J.; Smith, O.S. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1980. v. 20 (5). p. 649-655. 17 ref. (NAL Call No.: 64.8 C883).

0103

Corn disease evaluations for Delaware (Hybrid comparisons, resistance).
Carroll, R.B.DUABA. Cameron, G.E. Newark : The Station. Bulletin - Delaware Agricultural Experiment Station. Jan 1983. Jan 1983. (444). 14 p. (NAL Call No.: 100 D37S (1)).

0104

Corn hybrids evaluated for resistance to downy mildew (crazy top) disease (Sclerophthora macrospora).
Graves, C. TN. McCutchen, T.; West, D. Knoxville, The Station. Tennessee farm and home science - Tennessee Agricultural Experiment Station. Jan/Mar 1980. Jan/Mar 1980. (113). p. 24-25. ill. (NAL Call No.: 100 T25F).

0105

Correlated responses of yield and other agronomic traits to recurrent selection for stalk quality in a maize synthetic (Diploida maydis, breeding for disease resistance).
Martin, M.J. Russell, W.A. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 746-750. Includes references. (NAL Call No.: 64.8 C883).

0106

Cytoplasm-specific effects of Helminthosporium maydis race T toxin on corn protoplasts and mitochondria (Zea mays, maize, selection for mitochondrial traits).
Earle, E.D. New York : Praeger, 1982. Variability in plants regenerated from tissue culture / edited by E.D. Earle, Y. Demarly. Literature review. p. 351-367. ill. Includes references. (NAL Call No.: QK840.V37).

0107

Cytoplasmic inheritance of male sterility and pest resistance (to Helminthosporium maydis, corn).
Gracen, V.E. Kheyr-Pour, A.; Earle, E.D.; Gregory, P. Washington, D.C., American Seed Trade Association. Proceedings of the ... annual corn and sorghum research conference.American Seed Trade Association. Corn and Sorghum Division. Corn and Sorghum Research Conference. 1979. 1979. (34th). p. 76-91. Bibliography p. 90-91. (NAL Call No.: 59.9 AM32).

0108

Dent corn inbred sources of resistance to the maize weevil (Coleoptera: Curculionidae) (Sitophilus zeamais).
Widstrom, N.W. McMillian, W.W.; Redlinger, L.M.; Wiser, W.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 31-33. Includes references. (NAL Call No.: 421 J822).

0109

Determination of the number of genes for resistance to maize dwarf mosaic virus strain A in five corn inbred lines (Zea mays).
Rosenkranz, E.PHYTAJ. Scott, G.E. St. Paul : American Phytopathological Society. Phytopathology. Jan 1984. v. 74 (1). p. 71-76. Includes references. (NAL Call No.: 464.8 P56).

0110

Differential response of corn genotypes to applied FeEDDHA (Iron ethylenediamine dihydroxyacetic acid, Zea mays, maize, iron chlorosis, genetic control).
Zaharieva, T. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 897-904. 12 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

0111

Disease lesion mimic mutations (Maize, plant genotype and environmental conditions).
Walbot, V. Hoisington, D.A.; Neuffer, M.G. New York : Plenum Press, c1983. Genetic engineering of plants : an agricultural perspective / edited by T. Kosuge, C.P. Meredith ; technical editors, C.M. Wilson. p. 431-442. plates. Includes references. (NAL Call No.: SB123.G376).

0112

Distribution of western bean cutworm eggs among short-, mid-, and long-season corn hybrids planted on different dates (Loxagrotis albicosta).
Holtzer, T.O.EVETB. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1375-1379. Includes references. (NAL Call No.: QL461.E532).

0113

Effect of corn genotypes on ear rot infection by Gibberella zeae (Gibberella ear rot, mycotoxins, zearalenone and deoxynivalenol, vomitoxins, degrees of susceptibility to disease due to genetic differences).
Hart, L.P. Gendloff, E.; Rossman, E.C. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1984. v. 68 (4). p. 296-298. Includes references. (NAL Call No.: 1.9 P69P).

0114

Effect of gene HtN on the development of northern corn leaf blight (Helminthosporium turcicum) epidemics (Resistance, genotypes).
Raymundo, A.D. Hooker, A.L.; Perkins, J.M. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 327-330. 7 ref. (NAL Call No.: 1.9 P69P).

0115

The effect of parentage on the control of volunteer corn (Zea mays) in soybeans (Glycine max) (Weeds, herbicides, diclofop, glyphosate).
Andersen, R.N. Geadelmann, J.L. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1982. v. 30 (2). p. 127-131. ill. Includes 5 ref. (NAL Call No.: 79.8 W41).

0116

Effect of plant height and the yellow-green gene in maize on leaf feeding by first-generation European corn borers (Lepidoptera: Pyralidae) (Zea mays, Ostrinia nubilalis).
Guthrie, W.D.JEENA. Barry, B.D.; Reed, G.L. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 818-820. Includes references. (NAL Call No.: 421 J822).

0117

Effect of planting dates and soybean cultivars on pod damage by corn earworm (Heliothis zea, resistance).
Joshi, J.M. USDA. Madison, Wis., Crop Science Society of America. Crop science. Jan/Feb 1980. v. 20 (1). p. 59-63. ill. 6 ref. (NAL Call No.: 64.8 C883).

0118

Effectiveness of resistance to maize dwarf mosaic and maize chlorotic dwarf viruses in maize (Corn).
Scott, G.E. Rosenkranz, E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1981. v. 71 (9). p. 937-941. 15 ref. (NAL Call No.: 464.8 P56).

0119

Effects of Helminthosporium maydis race T toxin on mitochondria and protoplasts from T cytoplasm maize.
Earle, E.D. Charlottesville, Va. : Plant Molecular Biology Association, 1982. Maize for biological research / edited by W.F. Sheridan. p. 251-255. Includes references. (NAL Call No.: SB191.M2M327).

0120

The effects of low temperature on Zea mays (Maize, breeding, freezing injury, growth).
Miedema, P.ADAGA. New York : Academic Press. Advances in agronomy. 1982. Literature review. v. 35. p. 93-128. ill. 5 p. ref. (NAL Call No.: 30 AD9).

0121

European corn borer resistance in half-sib families from a sorghum random-mating population (Heritability, Ostrinia nubilalis).
Ross, W.M. Kindler, S.D.; Kofoid, K.D.; Hookstra, G.H.; Guthrie, W.D.; Atkins, R.E. Madison, Crop Science Society of America. Crop science. Sept/Oct 1982. v. 22 (5). p. 973-977. 9 ref. (NAL Call No.: 64.8 C883).

0122

Evaluation of a mutable system for inducing resistance to European corn borer (Lepidoptera: Pyralidae) in susceptible inbred lines of dent maize (Zea mays, Ostrinia nubilalis).
Guthrie, W.D.JKESA. Barry, B.D. Lawrence : The Society. Journal of the Kansas Entomological Society. Oct 1983. v. 56 (4). p. 552-554. Includes references. (NAL Call No.: 420 K13).

0123

Evaluation of commercial corn hybrids for resistance to leaf feeding by the southwestern corn borer (Diatraea grandiosella) and the fall armyworm (Spodoptera frugiperda).
Williams, W.P. Davis, F.M. Mississippi State, The Station. Research report - Mississippi Agricultural & Forestry Experiment Station. Mar 1981. v. 5 (6). 3 p. (NAL Call No.: S79.E37).

0124

Evaluation of commercial corn hybrids for resistance to leaf feeding by the southwestern corn borer and the fall armyworm (Diatraea grandiosella, Spodoptera frugiperda).
Williams, W.P. Davis, F.M. Mississippi State, The Station. MAFES research highlights - Mississippi Agricultural & Forestry Experiment Station. Apr 1981. v. 44 (4). p. 5. (NAL Call No.: 100 M69MI).

0125

Evaluation of southwestern corn borer (Diatraea grandiosella) host plant resistance for open pedigree hybrids and inbred lines of corn.
Bynum, E.D. Jr. TX. Ward, C.R.; Archer, T.L. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. May 1980. May 1980. (3684). 7 p. 6 ref. (NAL Call No.: 100 T31P).

0127

Evaluation of sweet corn hybrids for virus resistance, yield, and ear quality, 1981.
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville, Ark., The Station. Report series - Arkansas Agricultural Experiment Station. Feb 1982. Feb 1982. (267). 7 p. (NAL Call No.: 100 AR42R).

0126

Evaluation of sweet corn hybrids for virus resistance, yield, and ear quality, 1981.
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville, Ark., The Station. Report series - Arkansas Agricultural Experiment Station. Feb 1982. Feb 1982. (267). 7 p. (NAL Call No.: 100 AR42R).

0128

Evaluation of sweet corn hybrids for yield and ear quality when grown under virus disease conditions, 1982 (Arkansas).
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville : The Station. Report series - Arkansas Agricultural Experiment Station. Dec 1982. Dec 1982. (278). 7 p. (NAL Call No.: 100 AR42R).

0129

Fall armyworm resistance in corn and its supression of larval survival and growth (Spodoptera frugiperda, Zea mays, corn genotypes, comparisons).
Williams, W.P.AGJOA. Davis, F.M.; Wiseman, B.R. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 831-832. Includes references. (NAL Call No.: 4 AM34P).

0130

Field inoculation of sweet corn with the head smut pathogen (Sphacelotheac reiliana) (Zea mays, disease resistance, vegetable breeding).
Baggett, J.R.HJHSA. Koepsell, P.A. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 67-68. Includes references. (NAL Call No.: SB1.H6).

0131

Field inoculation of sweet corn with the head smut pathogen (Sphacelotheca reiliana) (Disease resistance, vegetable breeding).
Baggett, J.R.HJHSA. Koepsell, P.A. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 67-68. Includes references. (NAL Call No.: SB1.H6).

0132

Genetic analysis of resistance of corn (Zea mays L.) inbreds and hybrids to the maize dwarf mosaic virus disease / by Balasundara Naidu.
Naidu, Balasundara, 1936. 1971. Thesis (Ph.D.)--University of Tennessee, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. xxi, 167 leaves ; 21 cm. Bibliography: leaves 161-166. (NAL Call No.: DISS 72-5,469).

0133

Genetic variability in maize for maysin content (Antibiosis, host plant resistance, Heliothis zea).
Widstrom, N.W.CRPSA. Wiseman, B.R.; McMillian, W.W.; Elliger, C.A.; Waiss, A.C. Jr. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 120-122. Includes references. (NAL Call No.: 64.8 C883).

0134

Genetics of resistance in corn (Virus and viruslike diseases).
Scott, G.E. Findley, W.R.; Dollinger, E.J. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 141-144. (NAL Call No.: 100 G29SO).

0135

Genetics of resistance of two dent corn inbreds to maize dwarf mosaic virus and transfer of resistance into sweet corn (Zea mays).
Mikel, M.A. D'Arcy, C.J.; Rhodes, A.M.; Ford, R.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. 1984. v. 74 (4). p. 467-473. Includes references. (NAL Call No.: 464.8 P56).

0136

Genotype influence on the iron concentrations in the grain of corn hybrids (Zea mays, maize).
Kovacevic, V. Bertic, B.; Trogrlic, V.; Seput, M. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). 605-608. 14 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

0137

Genotypic differences in reaction in stored corn kernels to attack by selected Aspergillus and Penicillium spp. (Zea mays, maize).
Cantone, F.A.PHYTA. Tuite, J.; Bauman, L.F.; Stroshine, R. St. Paul : American Phytopathological Society. Phytopathology. Sept 1983. v. 73 (9). p. 1250-1255. Includes references. (NAL Call No.: 464.8 P56).

0138

The heritability of three parasitic fitness attributes of Helminthosporium maydis race T (Southern corn leaf blight, Zea mays).
Hill, J.P. Nelson, R.R. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1982. v. 72 (5). p. 525-528. Includes 13 ref. (NAL Call No.: 464.8 P56).

0139

Host X isolate interactions in corn inbreds inoculated with Cochliobolus carbonum race 3 (Zea mays, maize, virulence, genotype X environment interactions).
Hamid, A.H. Ayers, J.E.; Hill, R.R. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1169-1173. 20 ref. (NAL Call No.: 464.8 P56).

0140

Improving corn population for grain yield and resistance to leaf blight (caused by Helminthosporium turcicum) and stalk rot (caused by Diplodia maydis).
Miles, J.W. Dudley, J.W.; White, D.G.; Lambert, R.J. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1980. v. 20 (2). p. 247-251. ill. 15 ref. (NAL Call No.: 64.8 C883).

0141

Infection of two endosperm mutants of sweet corn by Fusarium moniliforme and its effect on seedling vigor (Zea mays, maize, rot, damping-off and blight pathogen).
Styer, R.C. Cantliffe, D.J. St. Paul : American Phytopathological Society. Phytopathology. Feb 1984. v. 74 (2). p. 189-194. ill. Includes references. (NAL Call No.: 464.8 P56).

0142

Influence of naturally occurring marker genes on the ability of Cochliobolus heterostrophus to induce field epidemics of southern corn leaf blight (Zea mays, maize).
Fry, W.E. Yoder, O.C.; Apple, A.E. St. Paul : American Phytopathological Society. Phytopathology. Feb 1984. v. 74 (2). p. 175-178. ill. Includes references. (NAL Call No.: 464.8 P56).

0143

Influence of nutritional characteristics of selected corn genotypes on food utilization by the rice weevil (Coleoptera: Curculionidae) (Sitophilus oryzae).
Gomez, L.A.JEENA. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F.; Smith, C.R. Jr. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 728-732. Includes references. (NAL Call No.: 421 J822).

0144

Influence of resistant and susceptible corn silks on selected development parameters of corn earworm (Lepidoptera:Noctuidae) larvae (Heliothis zea).
Wiseman, B.R.JEENAI. Widstrom, N.W.; McMillian, W.W. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1288-1290. Includes references. (NAL Call No.: 421 J822).

0145

Influence of sweet corn cultivar, planting date, and insecticide on corn earworm damage (Heliothis zea, fenvalerate, thiodicarb, carbaryl).
Story, R.N.GENSA. Sundstrom, F.J.; Riley, E.G. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 350-353. Includes references. (NAL Call No.: QL461.G4).

0146

Inheritance of mature plant resistance to Helminthosporium maydis race 0 in maize (Southern corn leaf blight, chlorotic lesion resistance).
Thompson, D.L. Bergquist, R.R. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 807-811. ill. Includes references. (NAL Call No.: 64.8 C883).

0147

The inheritance of resistance in corn to Cochliobolus carbonum race 3 (Zea mays, maize, leaf spot).
Hamid, A.H. Ayers, J.E.; Hill, R.R. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1173-1177. 16 ref. (NAL Call No.: 464.8 P56).

0148

Inheritance of resistance in maize to Kabatiella zeae (Eyespot disease).
Reifschneider, F.J.B.CRPSA. Arny, D.C. Madison : Crop Science Society of America. Crop science. July/Aug 1982. v. 23 (4). p. 615-616. Includes references. (NAL Call No.: 64.8 C883).

0149

Inheritance of resistance to anthracnose leaf blight (Colletotrichum graminicola) in five inbred lines of corn (Maize).
Carson, M.L. Hooker, A.L. Laramie, The Station. Science monograph - University of Wyoming, Agricultural Experiment Station. May 1981. v. 71 (5). p. 488-491. 15 ref. (NAL Call No.: S131.E2).

0150

Inheritance of resistance to maize dwarf mosaic virus in maize inbred line Oh7B (Zea mays).
Roane, C.W.PHYTA. Tolin, S.A.; Genter, C.F. St. Paul : American Phytopathological Society. Phytopathology. June 1983. v. 73 (6). p. 845-850. ill. Includes references. (NAL Call No.: 464.8 P56).

0151

Inheritance of resistance to Philippine downy mildew of maize, Peronoclerospora philippinensis.
Kaneko, K. Aday, B.A. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1980. v. 20 (5). p. 590-594. ill. 24 ref. (NAL Call No.: 64.8 C883).

0152

Inheritance of resistance to the European corn borer (Ostrinia nubilalis) in maize.
Pereverzev, D.S. New York, Consultants Bureau. Soviet genetics. May 1980. v. 16 (5). p. 549-553. 20 ref. (NAL Call No.: QH431.A1G43).

0153

Keeping the glitter on Minnesota's golden crop (Sweet corn).
Nagy, D. St. Paul, Minn., The Station. Minnesota science - Minnesota, Agricultural Experiment Station. Winter 1981. v. 36 (1). p. 4-7. ill. (NAL Call No.: 100 M668).

0154

Loss of sensitivity to Helminthosporium maydis race T toxin during aging of mitochondria isolated from Texas cytoplasm corn.
Pham, H.N. Gregory, P. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. June 1980. v. 65 (6). p. 1173-1175. ill. 7 ref. (NAL Call No.: 450 P692).

0155

Maize dwarf mosaic virus: symptomatology and yield reactions of susceptible and resistant sweet corns (Aphid vector, Rhopalosiphum maidis, Myzus persicae, Macrosiphum euphorbiae).
Straub, R.W. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 318-323. ill. Includes references. (NAL Call No.: QL461.E532).

0156

Maize whorl stage resistance to the first four instars of European corn borer larvae (Ostrinia nubilalis) (Lepidoptera: Pyralidae) (Inbred maize line).
Guthrie, W.D. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Oct 1981. v. 54 (4). p. 737-740. 4 ref. (NAL Call No.: 420 K13).

0157

Maysin content of silks of nine maize genotypes grown in diverse environments (Flavone, Antibiosis, host plant resistance, corn earworm, Heliothis zea).
Widstrom, N.W. Waiss, A.C. Jr.; McMillian, W.W.; Wiseman, B.R.; Elliger, C.A.; Zuber, M.S.; Straub, R.W.; Brewbaker, J.L.; Darrah, L.L.; Henson, A.R.; Arnold, J.M.; Overman, J.L. Madison, Crop Science Society of America. Crop science. Sept/Oct 1982. v. 22 (5). p. 953-955. 14 ref. (NAL Call No.: 64.8 C883).

0158

Molecular characterization of Shrunken mutations in Zea mays associated with virus infection.
Dellaporta, S.L. Wood, J.; Hicks, J.B.; Mottinger, J.P.; Chomet, P.S. Cold Spring Harbor, N.Y. : Cold Spring Harbor Laboratory, c1983. Plant infectious agents : viruses, viroids, virusoids, and satellites / edited by H.D. Robertson ... (et al.). p. 130-135. ill. Includes references. (NAL Call No.: SB736.P56).

0159

A new method to determine the number of genes for resistance to maize dwarf mosaic in maize.
Scott, G.E. Rosenkranz, E. Madison, Wis., Crop Science Society of America. Crop science. July/Aug 1982. v. 22 (4). p. 756-761. 5 ref. (NAL Call No.: 64.8 C883).

0160

A new race of Helminthosporium turcicum and reaction of sweet corn hybrids to the pathogen (Fungi, Florida).
Pieczarka, D.J. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 281-283. 7 ref. (NAL Call No.: 81 F66).

0161

Performance of corn hybrids exposed to corn viruses in Ohio in 1979.
Findley, W.R. OH. Knoke, J.K.; Louie, R.; Ryder, G.J.; Dollinger, E.J. Wooster, The Center. Agronomy Department series - Ohio Agricultural Research and Development Center. Jan 1980. Jan 1980. (213). 9 p. (NAL Call No.: 100 OH32).

0162

Pink scavenger caterpillar resistance among selected dent corn hybrids (Pyroderces rileyi, Zea mays, Georgia).
McMillian, W.W. Widstrom, N.W.; Wiseman, B.R. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Jan 1982. v. 17 (1). p. 93-96. ill. Includes 4 ref. (NAL Call No.: QL461.G4).

0163

Plant molecular vehicles: potential vectors for introducing foreign DNA into plants (Pathogenic bacteria and viruses, genomes, maize, Zea mays).
Howell, S.H. Palo Alto, Calif., Annual Reviews Inc. Annual review of plant physiology. 1982. Literature review. v. 33. p. 609-650. ill. Includes 234 ref. (NAL Call No.: 450 AN78).

0164

Quantification of Aspergillus flavus growth on inoculated excised kernels of corn genotypes (Zea mays, resistance, aflatoxin control, hybrid evaluation).
Adams, N.J.AGJOAT. Scott, G.E.; King, S.B. Madison : American Society of Agronomy. Agronomy journal. Jan/Feb 1984. v. 76 (1). p. 98-102. ill. Includes references. (NAL Call No.: 4 AM34P).

0165

Race of Helminthosporium turcicum (northern leaf blight) not controlled by Ht genetic resistance in corn in the American corn belt.
Turner, M.T. Johnson, E.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 216-217. ill. 10 ref. (NAL Call No.: 1.9 P69P).

0166

Ranking of partial resistance to common rust (Puccinia sorghi Schr.) in 30 sweet corn (Zea mays) hybrids (Minnesota).
Groth, J.V.CRPTD6. Davis, D.W.; Zeyen, R.J.; Mogen, B.D. Guildford, Eng. : Butterworths. Crop protection. June 1983. v. 2 (2). p. 219-223. Includes references. (NAL Call No.: SB599.C8).

0167

Reaction of inbred lines of maize to a natural infection of Puccinia spp.
Simmons, C.E. Jr. Fleming, A.A. (s.l., s.n.). Georgia journal of science. June/Sept 1979. v. 37 (3/4). p. 161-164. 8 ref. (NAL Call No.: Q11.G4).

0168

The reaction of sweet corn hybrids to maize dwarf mosaic virus strains and maize chlorotic dwarf virus (transmitted principally by Graminella nigrifrons, resistance trials, comparisons, Ohio).
Knoke, J.K. Anderson, R.J.; Findley, W.R.; Louie, R.; Abt, J.J.; Gordon, D.T. Wooster : The Center. Research bulletin - Ohio Agricultural Research and Development Center. Nov 1981. Nov 1981. (1135). 22 p. 28 ref. (NAL Call No.: 100 OH3S (2)).

0169

Reactions of eighty-four sources of chlorotic lesion resistance in corn to three biotypes of Helminthosporium turcicum (northern corn leaf blight, breeding for disease resistance).
Perkins, J.M. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Plant

disease. June 1981. v. 65 (6). p. 502-504. 15 ref. (NAL Call No.: 1.9 P69P).

0170

Rearing the maize weevil (Sitophilus zeamais) on maize genotypes when aflatoxin-producing Aspergillus flavus and Aspergillus parasiticus isolates were present (Southeastern United States).
McMillian, W.W. Widstrom, N.W.; Wilson, D.M. College Park, Md., Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 760-762. 12 ref. (NAL Call No.: QL461.E532).

0171

Reciprocal translocation testcross analysis of genes for anthracnose stalk rot resistance in a corn inbred line (Colletotrichum graminicola on Zea mays).
Carson, M.L. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1982. v. 72 (2). p. 175-177. Includes 25 ref. (NAL Call No.: 464.8 P56).

0172

Recurrent selection for resistance in corn to tunneling by the second-brood southwestern corn borer (Diatraea grandiosella, United States).
Williams, W.P.CRPSA. Davis, F.M. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 169-170. Includes references. (NAL Call No.: 64.8 C883).

0173

Registration of Mp496 inbred of maize (Breeding for pest resistance, Diatraea grandiosella).
Scott, G.E. Davis, F.M. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 353. 1 ref. (NAL Call No.: 64.8 C883).

0174

Registration of Mp703 germplasm line of maize.
Williams, W.P. AR-SO. Davis, F.M. Madison, Wis., Crop Science Society of America. Crop science. May/June 1980. v. 20 (3). p. 418. (NAL Call No.: 64.8 C883).

0175

Registration of NDSAB and NDSF maize germplasm (Zea mays).
Cross, H.Z.CRPSAY. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1227. Includes references. (NAL Call No.: 64.8 C883).

0176

Relationship between some characteristics of the corn kernel pericarp and resistance to the rice weevil (Coleoptera: Curculionidae) (Sitophilus oryzae).
Gomez, L.A.JEENA. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 797-800. Includes references. (NAL Call No.: 421 J822).

0177

Relationship of dominant genes in corn for chlorotic lesion resistance to Helminthosporium turcicum.
Hooker, A.L. Tsung, Y.K. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1980. v. 64 (4). p. 387-388. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0178

Relative susceptibility of a summer-planted dent and tropical flint corn variety to whorl stage damage by the fall armyworm (Lepidoptera: Noctuidae) (Spodoptera frugiperda, Georgia).
Gross, H.R. Jr.JEENA. Young, J.R.; Wiseman, B.R. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1153-1156. 6 ref. (NAL Call No.: 421 J822).

0179

Researchers study an exotic perennial corn.
San Francisco, California Farmer Publishing Co. California farmer. Feb 21, 1981. v. 254 (4). p. 32-F - 32-G. (NAL Call No.: S1.C185).

0180

Resistance to larvae of Diabrotica virgifera virgifera in three experimental maize hybrids (Zea mays).
Branson, T.F.EVETB. Welch, V.A.; Sutter, G.R.; Fisher, J.R. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1509-1512. Includes references. (NAL Call No.: QL461.E532).

0181

Resistance to Pythium debaryanum in Zea mays seedlings (Maize, root rot).
Foley, D.C. Cedar Falls, Iowa, The Academy. The Proceedings of the Iowa Academy of Science. Dec 1980. v. 87 (4). p. 134-138. 10 ref. (NAL Call No.: 500 I093).

0182

Resistant and susceptible corn genotypes: response to varying levels of southwestern corn borer infestation at anthesis (Diatrea grandiosella, Zea mays).
Williams, W.P.SENTD. Davis, F.M. College Station : Southwestern Entomological Society. The Southwestern entomologist. Sept 1983. v. 8 (3). p. 145-149. Includes references. (NAL Call No.: QL461.S65).

0183

Response of selected maize inbreds to Erwinia stewartii (wilt) and Erwinia zeae (halo blight).
Gardner, C.A.C. AR-NC. Wallin, J.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 168-169. 4 ref. (NAL Call No.: 1.9 P69P).

0184

Response of several genetic sources of corn to acidic soil (Zea mays, breeding for stress tolerance).
Sherchan, K.AGJDA. Ellis, R. Jr.; Whitney, D.A.; Wassom, C.E. Madison : American Society of Agronomy. Agronomy journal. Nov/Dec 1983. v. 75 (6). p. 993-996. Includes references. (NAL Call No.: 4 AM34P).

0185

Response of sweet corn hybrids to corn earworm, Heliothis zea (boddie) damage (Varieties, trials in Louisiana, resistance).
Yadav, R.P. Baton Rouge : The University. Research bulletin - Southern University. Apr 1980. v. 2 (2). p. 67-75. 6 ref. (NAL Call No.: S539.5.R42).

0186

Response to selection for resistance to four diseases in two corn populations (Corn leaf blight, Helminthosporium turcicum,anthracnose leaf blight, stalk rot, Diplodia maydis and Colletotrichum graminicola).
Miles, J.W. Dudley, J.W.; White, D.G.; Lambert, R.J. Madison, Wis., Crop Science Society of America. Crop science. Nov/Dec 1981. v. 21 (6). p. 980-983. 8 ref. (NAL Call No.: 64.8 C883).

0187

Root characteristics of 44 maize inbreds evaluated in four environments (Corn rootworm tolerance, Diabrotica).
Jenison, J.R. Shank, D.B.; Penny, L.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 233-237. 18 ref. (NAL Call No.: 64.8 C883).

0188

Selection for resistance to the second generation of the European corn borer (Lepidoptera: Pyralidae) in maize (Ostrinia nubilalis, Zea mays).
Barry, D.JEENA. Zuber, M.S.; Antonio, A.Q.; Darrah, L.L. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 392-394. Includes references. (NAL Call No.: 421 J822).

0189

Southwestern corn borer growth on callus initiated from corn genotypes with different levels of resistance to plant damage (Diatrea grandiosella, larvae on Zea mays).
Williams, W.P.CRPSAY. Buckley, P.M.; Taylor, V.N. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1210-1212. Includes references. (NAL Call No.: 64.8 C883).

0190

Sugary (su) sweet corn germplasm with resistance to the maize dwarf mosaic virus.
Mikel, M.A.HJHSA. D'Arcy, C.J.; Rhodes, A.M.; Carey, E.E.; Juvik, J.A. Alexandria : American Society for Horticultural Science. HortScience. Dec 1983. v. 18 (6,sec.1). p. 964-965. Includes references. (NAL Call No.: SB1.H6).

0191

Testing sweet corn hybrids for virus resistance.
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1982. 1982. (103rd). p. 79-83. Includes references. (NAL Call No.: SB21.A7A7).

0192

Transfer from Tripsacum dactyloides to corn of a major gene locus conditioning resistance to Puccinia sorghi (Common rust, breeding for disease resistance).
Bergquist, R.R. Laramie, The Station. Science monograph - University of Wyoming, Agricultural Experiment Station. May 1981. v. 71 (5). p.

518-520. 12 ref. (NAL Call No.: S131.E2).

0193

Variability in corn hybrid resistance to preharvest aflatoxin contamination.
Lillehoj, E.B. Zuber, M.S. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. July 1981. v. 58 (7). p. 582A. (NAL Call No.: 307.8 J82).

0194

Vertical-pull resistance of maize inbreds and their testcrosses (Rootworm tolerance, Diabrotica, root lodging).
Penny, L.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 237-240. 8 ref. (NAL Call No.: 64.8 C883).

0195

Virus disease ratings of corn hybrids and inbreds tested in Arkansas in 1979.
Dale, J.L. AR. York, J.O. Fayetteville, Ark., The Station. Mimeograph series.Arkansas. Agricultural Experiment Station. Dec 1979. Dec 1979. (274). 5 p. (NAL Call No.: 100 AR42M).

0196

Virus tolerance of corn strains grown in Ohio in 1981.
Findley, W.R. Louie, R.; Knoke, J.K. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Jan 1983. Jan 1983. (ARR-NC-10). p. 5-13. (NAL Call No.: aS21.A75U75).

0197

Virus tolerance ratings of corn strains grown in Ohio in 1982 (Commercial hybrids, Zea mays, Zea diploperennis, field tests in Missouri).
Wallin, J.R. Darrah, L.L.; Loonan, D.V. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Sept 1983. Sept 1983. (11). p. 1-4. (NAL Call No.: aS21.A75U75).

0198

Virus tolerance ratings of corn strains grown in Ohio in 1982 (Inbred lines and commercial hybrids, Zea mays, Zea diploperennis).
Findley, W.R. Knoke, J.K.; Louie, R. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Sept 1983. Sept 1983. (11). p. 5-19. (NAL Call No.: aS21.A75U75).

0199

Yields of corn hybrids and ratings of inbreds tested under virus disease conditions in Arkansas in 1981.
Dale, J.L. York, J.O. Fayetteville, Ark., The Station. Mimeograph series - Arkansas, Agricultural Experiment Station. Dec 1981. Dec 1981. (295). 4 p. (NAL Call No.: 100 AR42M).

0200

Yields of corn hybrids and ratings of inbreds tested under virus disease conditions in Arkansas in 1980.
Dale, J.L. York, J.O. Fayetteville, Ark., The Station. Mimeograph series - Arkansas, Agricultural Experiment Station. Nov 1980. Nov 1980. (283). 4 p. (NAL Call No.: 100 AR42M).

0201

Zea diploperennis: a primitive relative offers new traits to improve corn (Includes viral and mycoplasmal disease resistance).
Nault, L.R. Findley, W.R. Superior, Ariz., University of Arizona. Desert plants. Winter 1981/1982. v. 2 (4). p. 203-205. ill. (NAL Call No.: QK938.D4D4).

0202

1980 corn and grain sorghum performance tests (Hybrids, yields, insect resistance, Georgia).
Athens, Ga., The Stations. Research report - University of Georgia, Experiment Stations. Jan 1981. Jan 1981. (370). 54 p. ill., map. Includes bibliography. (NAL Call No.: S51.E22).

0203

1981 virus tolerance ratings for corn strains grown in the lower corn belt.
Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Jan 1983. Jan 1983. (ARR-NC-10). 13 p. (NAL Call No.: aS21.A75U75).

0204

1981 virus tolerance ratings of corn strains grown in Missouri.
Wallin, J.R. Loonan, D.V.; Gardner, C.A.C. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Jan 1983. Jan 1983. (ARR-NC-10). p. 1-4. (NAL Call No.: aS21.A75U75).

0205

Effect of corn (Zea mays) population on the growth of yellow nutsedge (Cyperus esculentus) (Competition, integrated weed management).
Ghafar, Z.WEESA. Watson, A.K. Champaign : Weed Science Society of America. Weed science. Sept 1983. v. 31 (5). p. 588-592. ill. Includes references. (NAL Call No.: 79.8 W41).

0206

Magnesium deficiency results in increased suberization in endodermis and hypodermis of corn roots (Zea mays, maize, suberin composition, chemical and ultrastructural proof).
Pozuelo, J.M. Espelie, K.E.; Kolattukudy, P.E. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1984. v. 74 (2). p. 256-260. ill. Includes references. (NAL Call No.: 450 P692).

0207

Morphological development of Physopella zeae on corn (Zea mays, maize).
Bonde, M.R.PHYTA. Bromfield, K.R.; Melching, J.S. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1489-1491. ill. 11 ref. (NAL Call No.: 464.8 P56).

0208

Root characteristics of 44 maize inbreds evaluated in four environments (Corn rootworm tolerance, Diabrotica).
Jenison, J.R. Shank, D.B.; Penny, L.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 233-237. 18 ref. (NAL Call No.: 64.8 C883).

0209

Scanning EM (electron microscope) studies on the colonization of dent corn by Aspergillus flavus (Zea mays, maize, morphology).
Marsh, S.F. Payne, G.A. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1984. v. 74 (5). p. 557-561. ill. Includes references. (NAL Call No.: 464.8 P56).

0210

Substrate effects on Helminthosporium maydis race T conidium and germ tube morphology (Southern corn leaf blight).
Potter, J.M. Tiffany, L.H.; Martinson, C.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 715-719. ill. 27 ref. (NAL Call No.: 464.8 P56).

0211

Development and enzymatic changes during pollen development in boron deficient maize plants.
Agarwala, S.C. Sharma, P.N.; Chatterjee, C.; Sharma, C.P. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (1/4). p. 329-336. ill. 15 ref. (NAL Call No.: QK867.J67).

0212

Evaluation of the need for copper with several soil extractants (Deficiencies, critical levels, soybeans, Glycine max, corn, Zea mays, wheat, Triticum aestivum, soils from the Atlantic Coastal Plain, North Carolina).
Makarim, A.K.AGJOA. Cox, F.R. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 493-496. Includes references. (NAL Call No.: 4 AM34P).

0213

Fertilizer reduces yield loss from weather stress (Corn, soybeans, research in Ohio).
Johnson, J.BCPFA. Atlanta : Potash & Phosphate Institute. Better crops with plant food. Summer 1983. v. 67. p. 6-7. (NAL Call No.: 6 B46).

0214

Influence of napropamide on the uptake and translocation of mineral nutrients (Herbicide, radish, wheat, corn, soybean).
Devlin, R.M. Zbiec, I.I.; Karczmarczyk, S.J. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1982. v. 30 (5). p. 503-506. 7 ref. (NAL Call No.: 79.8 W41).

0215

Iron nutrition under conditions of stress (Maize).
DeKock, P.C. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (1/4). p. 513-521. ill. 35 ref. (NAL Call No.: QK867.J67).

0216

Irrigated corn yield response to nitrogen and water (Zea mays, plant water stress, irrigation methods, fertilizer trials, Texas).
Eck, H.V. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 421-428. ill. Includes references. (NAL Call No.: 4 AM34P).

0217

Land application of chemically treated sewage sludge. III. Effects on soil and plant heavy metal content (Corn, bromegrass Bromus inermis).
Soon, Y.K. Bates, T.E.; Moyer, J.R. Madison, Wis., American Society of Agronomy. Journal of environmental quality. p. 497-504. ill. 28 ref. (NAL Call No.: QH540.J6).

0218

The nature of competition between Agropyron repens and Zea mays / by Nathan LeRoy Hartwig.
Hartwig, Nathan LeRoy, 1937. 1970. Thesis (Ph.D.)--University of Wisconsin, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. x, 123 leaves : ill. ; 21 cm. Bibliography: leaves 108-112. (NAL Call No.: DISS 70-20,846).

0219

Nutrient deficiency diagnosis of corn (Zea mays L.) plants from yield and composition responses to additions of N and S (nitrogen, sulfur, foliar diagnosis).
Rendig, V.V. Amparano, F. New York, Marcel Dekker. Communications in soil science and plant analysis. 1980. v. 11 (12). p. 1181-1193. 19 ref. (NAL Call No.: S590.C63).

0220

Plant genotype differences to ferrous and total iron in emerging leaves. I. Sorghum and maize (Uptake and deficiency).
Pierson, E.E. Clark, R.B.; Maranville, J.W.; Coyne, D.P. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1984. Presented at the "Second International Symposium on Iron Nutrition and Interactions in Plants," August 2-5, 1983, Utah State University, Logan. v. 7 (1/5). p. 371-387. ill. Includes references. (NAL Call No.: QK867.J67).

0221

Potential for phosphorus toxicity in zinc-stressed corn and potato (Nutrient uptake).
Christensen, N.W. Jackson, T.L. Madison, Wis., The Society. Soil Science Society of America journal. Sept/Oct 1981. v. 45 (5). p. 904-909. ill. 12 ref. (NAL Call No.: 56.9 S03).

0222

Problems with irrigated corn, 1982 (Response to nitrogen, Minnesota).
Fenster, W.E.MXMRA. Overdahl, C.J. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1983. 1983. (2 rev.). p. 104-106. (NAL Call No.: S1.M52).

0223

Adenine nucleotide content of corn roots as affected by injury and subsequent washing (Zea mays).
Gronewald, J.W. Hanson, J.B. Rockville, American Society of Plant Physiologists. Plant physiology. June 1982. v. 69 (6). p. 1252-1256. 28 ref. (NAL Call No.: 450 P692).

0224

Allelopathic potential of corn pollen (Bidens pilosa, Cassia jalapensis, Rumex crispus, weeds, crop-weed interactions).
Jimenez, J.J.JCECD. Schultz, K.; Anaya, A.L.; Hernandez, J.; Espejo, O. New York : Plenum Press. Journal of chemical ecology. Aug 1983. v. 9 (8). p. 1011-1025. ill. Includes references. (NAL Call No.: QD415.A1J6).

0225

Chemical studies on corn embryos infected by various fungi (Aspergillus, Fusarium moniliforme, Penicillium oxalicum).
Farag, R.S. Youssef, A.M.; Sabet, K.A.; Fahim, M.M.; Khalil, F.A. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. June 1981. v. 58 (6). p. 722-728. ill. 17 ref. (NAL Call No.: 307.8 J82).

0226

A differential effect of race T toxin on dark and photosynthetic CO2 (carbon dioxide) fixation by thin leaf slices from susceptible corn (Bipolaris (Helminthosporium) maydis).
Daly, J.M. Barna, B. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Oct 1980. v. 66 (4). p. 580-583. 27 ref. (NAL Call No.: 450 P692).

0227

The effect of DNBP (2-sec-butyl-4, 6-dinitrophenol) on the accumulation of 14C (carbon isotope)-sucrose and the transport of 14C-assimilates in corn.
Pitombeira, J.B. Housley, T.L.; Ohlrogge, A.J.; Counce, P.A. Madison, Wis., Crop Science Society of America. Crop science. Jan/Feb 1981. v. 21 (1). p. 135-139. 23 ref. (NAL Call No.: 64.8 C883).

0228

Effect of nickel on proton extrusion in segments of maize seedling roots (Zea mays).
Cocucci, S.M.JPNUD. Morgutti, S.; Genevini, P.L.; Ferrari-Bravo, P. New York : Marcel Dekker. Journal of plant nutrition. 1981. v. 4 (1). p. 57-64. 21 ref. (NAL Call No.: QK867.J67).

0229

The effects of low temperature on Zea mays (Maize, breeding, freezing injury, growth).
Miedema, P.ADAGA. New York : Academic Press. Advances in agronomy. 1982. Literature review. v. 35. p. 93-128. ill. 5 p. ref. (NAL Call No.: 30 AD9).

0230

Enhanced degradation of atrazine by corn (Zea mays) (Herbicide).
Jachetta, J.J. Radosevich, S.R. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1981. v. 29 (1). p. 37-44. ill. 37 ref. (NAL Call No.: 79.8 W41).

0231

Enhancement of gibberellic acid sensitivity in corn (Zea mays) by fluridone and R-40244.
Devlin, R.M. Kisiel, M.J.; Kostusiak, A.S. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1980. v. 28 (1). p. 11-12. ill. 15 ref. (NAL Call No.: 79.8 W41).

0232

European corn borer leaf feeding resistance: a simplified technique for determining relative differences in concentrations of 6-methoxybenzoxazolinone (Lepidoptera: Pyralidae) (Chemical analysis of maize, Zea mays, Ostrinia nubilalis).
Robinson, J.F. Klun, J.A.; Guthrie, W.D.; Brindley, T.A. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1982. v. 55 (2). p. 297-301. Includes 10 ref. (NAL Call No.: 420 K13).

0233

Exudation of glyphosate from wheat (Triticum aestivum) plants and its effects on interplanted cron (Zea mays) and soybeans (Glycine max) (Growth regulator, herbicide uptake, no-tillage).
Rodrigues, J.J.V. Worsham, A.D.; Corbin, F.T. Champaign, Ill., Weed Science Society of America. Weed science. May 1982. v. 30 (3). p. 316-320. Includes 22 ref. (NAL Call No.: 79.8 W41).

0234

Glyceollin: a site-specific inhibitor of electron transport in isolated soybean mitochondria (Glycine max, Zea mays, maize, autophytotoxicity).
Boydston, R.PLPHA. Paxton, J.D.; Koeppe, D.E. Rockville : American Society of Plant Physiologists. Plant physiology. May 1983. v. 72 (1). p. 151-155. Includes references. (NAL

Call No.: 450 P692).

0235

Growth and aflatoxin production in shelled corn by the Aspergillus Flavus group as related to relative humidity and temperature / by John H. Hunter.
Hunter, John H. (John Howard), 1939. 1969. Thesis (Ph.D.)--Purdue University, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xi, 115 leaves : ill. ; 21 cm. Bibliography: leaves 83-94. (NAL Call No.: DISS 69-17,191).

0236

Leaf surface electrostatics: Apparatus and procedures used under controlled and natural conditions (Beans, maize, active discharge of conisia and sporangia of dry-spored foliar fungal pathogens).
Leach, C.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 701-703. ill. Includes 6 references. (NAL Call No.: 464.8 P56).

0237

Leaf surface electrostatics: behavior of detached leaves of beans, maize, and other plants under natural conditions (Active spore liberation by dry-spored foliar fungal pathogens).
Leach, C.M. Apple, J.D. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 704-709. Includes 18 references. (NAL Call No.: 464.8 P56).

0238

Leaf surface electrostatics: response of detached leaves of beans and maize to humidity and red-infrared radiation under controlled conditions (Dry-spored, foliar, pathogenic fungi, discharge of spores).
Leach, C.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 695-701. Includes 17 references. (NAL Call No.: 464.8 P56).

0239

Magnesium deficiency results in increased suberization in endodermis and hypodermis of corn roots (Zea mays, maize, suberin composition, chemical and ultrastructural proof).
Pozuelo, J.M. Espelie, K.E.; Kolattukudy, P.E. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1984. v. 74 (2). p. 256-260. ill. Includes references. (NAL Call No.: 450 P692).

0240

Mechanism of indole-3-acetic acid oxidase in corn / by William Colilla.
Colilla, William, 1938. 1970. Thesis (Ph.D.)--Southern Illinois University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v, 66 leaves ; 21 cm. Bibliography: leaves 61-65. (NAL Call No.: DISS 71-9,980).

0241

Phytochrome responses to end-of-day irradiations in light-grown corn grown in the presence and absence of Sandoz 9789 (Herbicide).
Gorton, H.L. Briggs, W.R. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Dec 1980. v. 66 (6). p. 1024-1026. ill. 13 ref. (NAL Call No.: 450 P692).

0242

Purple corn--conspicuous color in spring not always bad (Anthocyanin, stress).
Crookston, R.K.CRSOA. Madison : American Society of Agronomy. Crops and soils magazine. Apr/May 1983. v. 35 (7). p. 16-18. ill. (NAL Call No.: 6 W55).

0243

Reduced transpiration and increased water efficiency by diuron in corn (Zea mays).
Ahmed, S. Fletcher, R.A. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1980. v. 28 (2). p. 180-185. ill. 16 ref. (NAL Call No.: 79.8 W41).

0244

Responses of selected plant species to elevated carbon dioxide in the field (Zea mays, Glycine max, Pinus taeda, Liquidambar styraciflua).
Rogers, H.H.JEVQA. Bingham, G.E.; Cure, J.D.; Smith, J.M.; Surano, K.A. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1983. v. 12 (4). p. 569-574. Includes references. (NAL Call No.: QH540.J6).

0245

Some effects of (the herbicide) buthidazole on corn (Zea mays) photosynthesis, respiration, anthocyanin formation, and leaf ultrastructure.
Hatzios, K.K. Penner, D. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1980. v. 28 (1). p. 97-100. ill. 18 ref. (NAL Call No.: 79.8 W41).

0246

Paecilomyces nostocoides, a new hyphomycete isolated from cysts of Heterodera zeae (Fungus isolated from the corn cyst nematode, taxonomy, biological control agent).
Dunn, M.T.MYCOA. Bronx : The New York Botanical Garden. Mycologia. Jan/Feb 1983. v. 75 (1). p. 179-182. ill. 6 ref. (NAL Call No.: 450 M99).

0247

Bird, insect and disease control in commercial sweet corn production.
Grau, C.R. Wedberg, J.L.; Craven, S.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Feb 1982. Feb 1982. (A2353). 10 p. ill. (NAL Call No.: S544.3.W6W53).

0248

The CIMMYT's (International Maize and Wheat Improvement Center) interantional approach to breeding disease-resistant wheat.
Dubin, H.J. Rajaram, S. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1982. v. 66 (10). p. 967-971. ill., map. 15 ref. (NAL Call No.: 1.9 P69P).

0249

Disease control vital for crops (Maize, soybeans, nematodes, stem canker).
Garrett, W. Atlanta, Ga. : Department of Agriculture. Farmers & consumers market bulletin. Apr 25, 1984. v. 70 (17). p. 1, 16. (NAL Call No.: 280.39 G292).

0250

Economic results of pest control intensity for a multiple cropping system (Turnip greens, Zea mays, southern peas, Vigna unguiculata, net returns, United States).
Epperson, J.E. Dowler, C.C.; Chalfant, R.B.; Johnson, A.W.; Glaze, N.C.; Sumner, D.R. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1982. v. 107 (4). p. 624-627. 19 ref. (NAL Call No.: 81 S012).

0251

Electrostatic deposition of pesticide spray onto foliar targets of varying morphology (Broccoli, maize, cotton, cabbage).
Law, S.E. Lane, M.D. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1441-1445, 1448. ill. 10 ref. (NAL Call No.: 290.9 AM32T).

0252

Estimating the relationship between pest management and energy prices, and the implications for environmental damage.
Miranowski, J.A. Lexington, Ky., American Agricultural Economics Association. Extract: This paper considers alternative pest management systems for corn production with rising energy prices. First, pest control practices are discussed. Second, historical data are used to estimate derived demand equations for insecticide and herbicide treatment. Third, the impact of rising energy prices on the future demand and supply of pest management systems and on the implied use of insecticides is considered. American journal of agricultural economics. Dec 1980. v. 62 (5). p. 995-1000. 19 ref. (NAL Call No.: 280.8 J822).

0253

The farm pesticide industry.
Eichers, T.R. Washington, D.C., The Department. Extract: The primary objective of this study is to analyze the nature of the pesticide industry by smaller component markets (submarkets) and evaluate its structure, conduct, and performance. The study also examines some of the implications of pesticide regulations on the pesticide industry and on farm pesticide use. Agricultural economic report - United States Dept. of Agriculture. Sept 1980. Sept 1980. (461). 24 p. 39 ref. (NAL Call No.: A281.9 AG8A).

0254

Keeping the glitter on Minnesota's golden crop (Sweet corn).
Nagy, D. St. Paul, Minn., The Station. Minnesota science - Minnesota, Agricultural Experiment Station. Winter 1981. v. 36 (1). p. 4-7. ill. (NAL Call No.: 100 M668).

0255

Pest control in corn 1982.
Doersch, R.E. Doll, J.D.; Wedberg, J.L.; Grau, C.R.; Harvey, R.G.; Kenney, J.F. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Jan 1982. Jan 1982. (A1684). 57 p. (NAL Call No.: S544.3.W6W53).

0256

Sweet corn pest management : a better way / Donald J. Prostak.
Prostak, Donald J. (New Brunswick Cooperative Extension Service, Cook College), Rutgers, the State University of New Jersey 1973?. Cover title. 12 p. : ill. ; 28 cm. -. (NAL Call No.: 275.29 N46 no.422).

0257

Autumn flocking of red-winged blackbirds in relation to agricultural variables (Survey of damage to maize in Ohio).
Stone, C.P. Danner, C.R. Notre Dame, Ind., University of Notre Dame. American midland naturalist. Jan 1980. v. 103 (1). p. 196-199. ill. 5 ref. (NAL Call No.: 410 M58).

0258

Bird and mammal damage to mature corn in Kentucky and Tennessee.
Stickley, A.R. Jr. Otis, D.L.; Bray, D.E.; Heisterberg, J.F.; Grandpre, T.F. Columbia, S.C. The Association. Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies.Southeastern Association of Game and Fish Commissioners. 1978. 1978. (32d). p. 228-233. ill., map. 4 ref. (NAL Call No.: SK1.S6).

0259

Blackbird damage to corn less than normal losses.
Wakeley, J.S. Mitchell, R.C. University Park, Pa., The Station. Science in agriculture - Pennsylvania Agricultural Experiment Station. Spring 1981. v. 28 (3). p. 5. (NAL Call No.: 100 P381S).

0260

Blackbird damage to ripening field corn in Pennsylvania.
Wakeley, J.S. Mitchell, R.C. Washington, D.C., The Society. Wildlife Society bulletin. Mar 1981. v. 23 (3). p. 52-55. ill., maps. 16 ref. (NAL Call No.: SK357.A1W5).

0261

Comparative effectiveness of avitrol, exploders, and hawk-kites in reducing blackbird damage to corn (Red-winged blackbirds, Agelaius phoeniceus, common grackles Quiscalus quiscula).
Conover, M.R. Washington, D.C. : Wildlife Society. Journal of wildlife management. Jan 1984. v. 48 (1). p. 109-116. Includes references. (NAL Call No.: 410 J827).

0262

Comparative susceptibility of corn crops to sodium chlorate injury by Annie M. Hurd-Karrer.
Hurd-Karrer, Annie M. (Annie May), 1893. Washington, D.C. U.S. Dept. of Agriculture 1940. 15 p., 2 leaves of plates : ill. -. Bibliography: p. 14-15. (NAL Call No.: Fiche S-69 no.648).

0263

A Compendium of corn diseases.
(Urbana, Ill.?) Cooperative Extension Serice, University of Illinois (Washington, D.C.?) Extension Service, U.S. Dept. of Agriculture c1973. vi, 64 p., A-E p. (1) folded : ill. ; 28 cm. Includes bibliographies. (NAL Call No.: MLCM 83/1725).

0264

Corn damage and breeding red-winged blackbird population density in western Ohio.
Stehn, R.A.WLSBA. de Becker, S.M.C. Bethesda : The Society. Wildlife Society bulletin. Fall 1982. v. 10 (3). p. 217-223. map. 22 ref. (NAL Call No.: SK357.A1W5).

0265

Diseases of corn.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training collection ~Cassette title: Wheat diseases and armyworms. 50 slides : col. + 1 sound cassette (17:40 min.) + 1 script. (NAL Call No.: Slide no.19).

0266

Feeding ecology of the red-winged blackbird in field corn in Ontario (Canada).
Gartshore, R.G. Brooks, R.J.; Somers, J.D.; Gilbert, F.F. Washington, D.C., Wildlife Society. The Journal of wildlife management. Apr 1982. v. 46 (2). p. 438-452. Includes 3 p. ref. (NAL Call No.: 410 J827).

0267

Integrated pest management : decision guide.
DeWitt, Jerry. Taylor, S. Elwynn.; Herman, J. Clayton. 1981. This publication is a guide to identify insects and diseases that affect corn, alfalfa, and soybeans. Weed identification is also included. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 147 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: IPM-22).

0268

Molt, food habits, and brown-headed cowbird parasitism of red-winged blackbirds in Cass County, North Dakota (Pests of corn and sunflower crops, control implications).
Linz, G.M.NDKRA. Cassel, J.F.; Carlson, R.B. Fargo : The Station. North Dakota research report - North Dakota Agricultural Experiment Station. Nov 1982. Nov 1982. (93). 7 p. ill. Includes references. (NAL Call No.: 100 N813R).

0269

Pest control in commercial sweet corn production, 1983.
Doersch, R.E. Doll, J.D.; Grau, C.R.; Wedberg, J.L.; Craven, S.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. Supersedes A2345, Weed Control in Commercial Sweet Corn Production, and A2353, Bird, Insect and Disease Control in Commercial Sweet Corn Production. 1983. (A2345 rev.). 25 p. (NAL Call No.: S544.3.W6W53).

0270

Pest control in corn / R. E. Doersch ... (et al.).
WI. Doersch, R. E. (Madison) Cooperative Extension Programs, University of Wisconsin 1977. v. : ill. -. (NAL Call No.: S544.3.W6W53 No.1684, etc.).

0271

Protecting corn fields on the Hopi Indian reservation from depredation by ravens and rodents (Zea mays, maize, Arizona).
Harriman, A.E. Berger, R.H. New York, N.Y. : Consultants Bureau. The Soviet journal of ecology. May/June 1983 (pub.1984). Translated from: Ekologiia, p. 46-49. (QH540.E3). v. 14 (3). p. 164-167. Includes references. (NAL Call No.: QH540.E32).

0272

Relationships between bird-dropping counts, corn damage, and red-winged blackbird activity in field corn (Agelaius phoeniceus, New York).
Bollinger, E.K. Caslick, J.W. Washington, D.C. : Wildlife Society. Journal of wildlife management. Jan 1984. v. 48 (1). p. 209-211. Includes references. (NAL Call No.: 410 J827).

0273

Response of blackbirds to Mesurol and Sevin applications on sweet corn (Insecticide, with bird-repellent properties).
Woronecki, P.P. Dolbeer, R.A.; Stehn, R.A. Washington, D.C., Wildlife Society. The Journal of wildlife management. July 1981. v. 35 (3). p. 693-701. 18 ref. (NAL Call No.: 410 J827).

0274

Results of seed-treatment experiments with yellow dent corn by James R. Holbert and Benjamin Koehler.
Holbert, James R. (James Ransom). Washington, D.C. U.S. Dept. of Agriculture 1931. 64 p., 2 leaves of plates : ill., maps -. Bibliography: p. 62-63. (NAL Call No.: Fiche S-69 no.260).

0275

Rodent repellents for planted grain (Spermophilus tridecemlineatus, corn).
Johnson, R.J.PVPCB. Koehler, A.E.; Burnside, D.C. Davis, Calif. : University of California. Proceedings ... Vertebrate Pest Conference. June 1982. June 1982. (10th). p. 205-209. Includes references. (NAL Call No.: SB950.A1V4).

0276

Social returns to disease and parasite control in agriculture: witchweed in the United States.
Emerson, P.M. Plato, G.E. Washington, The Service. Extract: This study provides ex ante estimates of the value to society of the U.S. Department of Agriculture's witchweed program. Program objectives are to contain and eradicate witchweed, a semiparasitic plant which reduces corn and grain sorghum yields. Critical elements which determine the social value are cost of the program, price elasticities of supply and demand, and shifts in supply occurring in the absence of a program. Agricultural economics research - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Jan 1978. v. 30 (1). p. 15-22. 21 ref. (NAL Call No.: 1 EC7AGR).

0277

Use of (insecticide) methiocarb as a blackbird repellent in field corn.
Joyner, D.E. Somers, J.D.; Gilbert, F.F.; Brooks, R.J. Washington, D.C., Wildlife Society. The Journal of wildlife management. July 1980. v. 44 (3). p. 672-676. 13 ref. (NAL Call No.: 410 J827).

0278

A Vermont corn cage (Raccoons, sweetcorn).
Jensen, E.F. Emmaus : Rodale Press. Organic gardening. Feb 1984. v. 31 (2). p. 144-145. ill. (NAL Call No.: 57.8 OR32).

0279

Adult European corn borer (Lepidoptera: Pyralidae) flight activity in and away from aggregation sites (Ostrinia nubilalis).
Sappington, T.W.EVETB. Showers, W.B. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1154-1158. Includes references. (NAL Call No.: QL461.E532).

0280

Aflatoxin and aspergillus flavus in corn / edited by Urban L. Diener (Editor-in-Chief), Richard L. Asquith, (and) J.W. (Bill) Dickens.
Diener, Urban L. Auburn University, Alabama Department of Research Information, Alabama Agricultural Experiment Station 1983.
"...consists of manuscripts prepared for the Symposium on 'Aflatoxin and Aspergillus Flavus in Corn' held in Atlanta, Georgia on January 26 and 27, 1982. ~Includes index. iv, 112 p. : ill. ; 28 cm. -. Bibliography: p. 91-105. (NAL Call No.: 100 G29So no.279).

0281

Aflatoxin contamination of preharvest coen: interaction of European corn borer larvae and Aspergillus flavus-group isolates (Ostrinia nubilalis, vector).
Guthrie, W.D. Liliehoj, E.B.; Barry, D.; McMillian, W.W.; Kwolek, W.F.; Franz, A.O.; Catalano, E.A.; Russell, W.A.; Widstrom, N.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 265-269. 10 ref. (NAL Call No.: 421 J822).

0282

Aflatoxin contamination of preharvest corn: role of Aspergillus flavus inoculum and insect damage.
Lillehoj, E.B. AR-NRRC~AR-SO~AR-SRRC. Kwolek, W.F.; Horner, E.S.; Widstrom, N.W.; Josephson, L.M.; Franz, A.O.; Catalano, E.A. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. July/Aug 1980. v. 57 (4). p.255-257. 7 ref. (NAL Call No.: 59.8 C33).

0283

Agronomic practices influence black cutworm (Agrotis ipsilon) damage on corn.
Levine, E. Clement, S.L.; McCartney, D.A. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Mar/Apr 1981. v. 66 (2). p. 29-30. ill. (NAL Call No.: 100 OH3S (3)).

0284

Alterations in corn earworm larval feeding behavior and corn eat penetration (Heliothis zea, Zea mays, Georgia).
Wiseman, B.R. McMillian, W.W. Athens, Ga., The Society. Journal of the Georgia Entomological Society. July 1982. v. 17 (3). p. 321-327. ill. 9 ref. (NAL Call No.: QL461.G4).

0285

Amaze (insecticide) is registered. Corn rootworm material gets full label.
San Francisco, California Farmer. Agrichemical age. Dec 1980. v. 24 (10). p. 66. (NAL Call No.: 381 AG85).

0286

Amphipoea velata (Walker) (Lepidoptera: (Noctuidae) attacking corn near Friendsville, Maryland.
Amrine, J.W. Jr.ETMNA. Butler, L. Philadelphia : American Entomological Society. Entomological news. May/June 1983. v. 94 (3). p. 101-102. Includes references. (NAL Call No.: 421 EN88).

0287

Analysis of sampling procedures for corn earworm and fall armyworm (Lepidoptera:Noctuidae) in peanuts (Heliothis zea, Spodoptera frugiperda).
Linker, H.M. Johnson, F.A.; Stimac, J.L.; Poe, S.L. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 75-78. ill. Includes references. (NAL Call No.: QL461.E532).

0288

Application efficacy and field persistence of Bacillus thuringiensis when applied to corn for European corn borer (Ostrinia nubilalis) control.
Lynch, R.E. AR-NC~AR-SO. Lewis, L.C.; Berry, E.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 4-7. ill. 12 ref. (NAL Call No.: 421 J822).

0289

Application of Bacillus thuringiensis through center-pivot irrigation systems for control of the southwestern corn borer and European corn borer (Lepidoptera: Pyralidae) (Diatraea grandiosella, Ostrinia nubilalis, Kansas).
Nolting, S.P.JEENA. Poston, F.L. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1069-1073. 9 ref. (NAL Call No.: 421 J822).

0290

Application of entomopathogens in irrigation water for control of fall armyworms and corn earworms (Lepidoptera: Noctuidae) on corn (Spodoptera frugiperda, Heliothis zea).
Hamm, J.J.JEENA. Hare, W.W. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1074-1079. 19 ref. (NAL Call No.: 421 J822).

0291

Archytas marmoratus (Diptera:Tachinidae): screened-cage evaluations of selected densities of adults against larval populations of Heliothis zea and Spodoptera frugiperda (Lepidoptera:Noctuidae) on whorl and tassel stage corn (Tachinid parasitoid).
Gross, H.R. Jr. Young, O.P. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 157-161. Includes references. (NAL Call No.: QL461.E532).

0292

Arthropod predators on cotton, corn, tobacco, and soybeans in South Carolina.
Roach, S.H. AR-SO. Athens, Ga., The Society. Journal - Georgia Entomological Society.Georgia Entomological Society. Apr 1980. v. 15 (2). p. 131-138. ill. 8 ref. (NAL Call No.: QL461.G4).

0293

Artifical versus natural infestation for evaluation of kernel and stalk damage in maize by the european corn borer (Zea mays, Ostrinia nubilalis).
Grier, S.L. Davis, D.W. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1982. v. 107 (3). p. 519-521. 5 ref. (NAL Call No.: 81 SO12).

0294

Artificial infestation of sorghum and corn seedlings with lesser cornstalk borer using the modified "Bazooka" (Elasmopalpus lignosellus).
Gardner, W.A. (s.l.) : Sorghum Improvement Conference of North America. Sorghum newsletter. 1982. v. 25. p. 80-81. Includes references. (NAL Call No.: 59.8 SO6).

0295

Aspergillus flavus group, aflatoxin, and bright greenish yellow fluorescence in insect-damaged corn in georgia (Heliothis zea).
Wilson, D.M. Widstrom, N.W.; Marti, L.R.; Evans, B.D. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. Jan/Feb 1981. v. 58 (1). p. 40-42. 17 ref. (NAL Call No.: 59.8 C33).

0296

Assessment of European corn borer (Lepidoptera: Pyralidae) impact on grain and silage yield in three areas of eastern South Dakota (Ostrinia nubilalis).
Raemisch, D.R. Walgenbach, D.D. Lawrence, Kan. : The Society. Journal of the Kansas Entomological Society. Jan 1984. v. 57 (1). p. 79-83. Includes references. (NAL Call No.: 420 K13).

0297

Association of Spiroplasmas with a new disease of corn in California (Leafhopper, Dalbulus maidis).
Kloeppler, J.W. Garrott, D.G.; Kirkpatrick, B.C.; McCutcheon, O.D. Berkeley, Calif., The Service. California plant pathology - Cooperative Extension, University of California. Mar 1982. Mar 1982. (56). p. 5-6. Includes 5 ref. (NAL Call No.: SB599.C3).

0298

AS9 sweet corn population (Sugary-1 breeding, resistance to European corn borer, Ostrinia nubilalis).
Davis, D.W. Grier, S.L. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 666-667. ill. 1 ref. (NAL Call No.: SB1.H6).

0299

Avoiding black cutworm (Lepidoptera: Noctuidae) losses in corn through education: evaluation of a grower-oriented manual/computer model instructional package (Agrotis ipsilon).
Troester, S.J.BESAA. Ruesink, W.G. College Park : The Society. Bulletin of the Entomological Society of America. Dec 1982. v. 28 (4). p. 349-353. Includes references. (NAL Call No.: 423.9 EN8).

0300

Base of corn stalks as oviposition sites for western and northern corn rootworms (Diabrotica: Coleoptera) (Diabrotica virgifera, Diabrotica longicornis).
Kirk, V.M. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1981. v. 54 (2). p. 255-262. 16 ref. (NAL Call No.: 420 K13).

0301

Battling corn borers (Breeding for resistance)--Is there hope? Experts say it takes time.
St. Paul, Minn., Webb Co. Irrigation age. Sept 1979. v. 14 (1). p. 6-7. ill. (NAL Call No.: TC801.I7).

0302

Be on the lookout for fall armyworm! (Spodoptera frugiperda, damage to maize).
Hofmaster, R.N. Willoughby, Ohio, Meister. American vegetable grower and greenhouse grower. Sept 1980. v. 28 (9). p. 8. ill. (NAL Call No.: 80 C733).

0303

Behavioral responses of male Heliothis zea moths in sustained-flight tunnel to combinations of 4 compounds identified from female sex pheromone gland (Corn earworm).
Vetter, R.S. Baker, T.C. New York : Plenum Press. Journal of chemical ecology. Feb 1984. v. 10 (2). p. 193-202. Includes references. (NAL Call No.: QD415.A1J6).

0304

Biochemical basis of resistance in corn to the corn leaf aphid (Rhopalosiphum maidis).
Beck, D.L.CRPSAY. Dunn, G.M.; Routley, D.G.; Bowman, J.S. Madison : Crop Science Society of America. Crop science. Sept/Oct 1983. v. 23 (5). p. 995-998. Includes references. (NAL Call No.: 64.8 C883).

0305

Biology and control of the corn leaf aphid with special reference to the southwestern states by V.L. Wildermuth and E.V. Walter.
Wildermuth, V. L. Washington, D.C. U.S. Dept. of Agriculture 1932. 22 p. : ill., maps -. Bibliography: p. 20-21. (NAL Call No.: Fiche S-69 no.306).

0306

The biology and morphology of the braconid chelonus annulipes Wesm., a parasite of the European corn borer by Arlo M. Vance.
Vance, A. M. (Arlo McGrillis), 1899. Washington, D.C. U.S. Dept. of Agriculture 1932. 48 p., 1 leaf of plates : ill. -. Bibliography: p. 48. (NAL Call No.: Fiche S-69 no.294).

0307

The biology of Cremastus flavoorbitalis (Cameron), an ichneumonid parasite of the European corn borer by W.G. Bradley and E.D. Burgess.
Bradley, W. G. (William George). Washington, D.C. U.S. Dept. of Agriculture 1934. 16 p., 2 leaves of plates : ill. -. Bibliography: p. 15. (NAL Call No.: Fiche S-69 no.441).

0308

Biology of Delphacodes campestris (Homoptera: Delphacidae) (on cereal grains, maize and grasses, potential maize virus vector).
Stoner, W.N. AR-NC. Gustin, R.D. College Park, Md., The Society. Annals of the Entomological Society of America. July 1980. v. 73 (4). p. 372-374. ill. 6 ref. (NAL Call No.: 420 EN82).

0309

Biology of the European corn borer in North Dakota / by Richard Dean Frye.
Frye, Richard Dean, 1922. 1970. Thesis (Ph.D.)--Iowa State University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. vi, 140 leaves ; 21 cm. Bibliography: leaves 125-133. (NAL Call No.: DISS 70-25,783).

0310

Black cutworm, Agrotis ipsilon (Lepidoptera: Noctuidae), pheromone trapping: a regional research effort (Maize pest, USA).
Levine, E. Clement, S.L.; Kaster, L.V.; Keaster, A.J.; Ruesink, W.G.; Showers, W.B.; Turpin, F.T. College Park, Md., The Society. Bulletin of the Entomological Society of America. June 1982. v. 28 (2). p. 139-142. ill. 14 ref. (NAL Call No.: 423.9 EN8).

0311

Black cutworm (Lepidoptera: Noctuidae): measurement of larval feeding parameters on field corn in the greenhouse (Agrotis ipsilon).
Clement, S.L.JEENA. McCartney, D.A. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1005-1008. ill. 8 ref. (NAL Call No.: 421 J822).

0312

Both fixed and rotary wing ued for cutworm (Noctuidae) control (Maize).
Santa Fe Springs, Calif., Ned K. Rosenblatt. Aerial applicator. Apr 1981. v. 19 (3). p. 3. ill. (NAL Call No.: 333.8 AE8).

0313

Breeding for insect resistance (host plants, alfalfa, wheat, maize, cotton).
Jenkins, J.N. Ames : Iowa State University Press, 1981. Plant Breeding II : (proceedings) / edited by Kenneth J. Frey. p. 291-308. 2 p. ref. (NAL Call No.: SB123.P6 1979).

0314

Breeding for resistance to insects in corn.
Guthrie, W.D. TX-AR-NC. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 290-302. Bibliography p. 298-302. (NAL Call No.: 100 T31M).

0315

Bugs for sale (Trichogramma, Integrated pest management, Ostrinia nubilalis, Manduca quinquemaculata, biological control, European corn borer, tomato hornworm).
McGrath, M. Emmaus, Pa. : Rodale Press. Organic gardening. Aug 1984. v. 31 (8). p. 34, 36-38, 40-43. ill. (NAL Call No.: 57.8 OR32).

0316

The cannibalistic habits of the corn ear worm by George W. Barber.
Barber, George W. Washington, D.C. U.S. Dept. of Agriculture 1936. 19 p. : ill. Includes bibliographical references. (NAL Call No.: Fiche S-69 no.499).

0317

Carabids: minimal role in pest management of corn rootworms (Diabrotica spp., South Dakota).
Kirk, V.M. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1982. v. 11 (1). p. 5-8. Includes 2 p. ref. (NAL Call No.: QL461.E532).

0318

Carbofuran residue analysis and control of corn rootworm (Diabrotica longicornis, Diabrotica virgifera) larval damage.
Gorder, G.W. Tollefson, J.J.; Dahm, P.A. Ames, Iowa State University. Iowa state journal of research. Aug 1980. v. 55 (1). p. 25-33. 7 ref. (NAL Call No.: 470 IO9).

0319

Changes in survival and development of cultures of European corn borers (Ostrinia nubilalis) reared in the laboratory on a meridic diet.
Guthrie, W.D. AR-NC. Onukogu, F.A.; Awadallah, W.H.; Robbins, J.C.; Lodholz, M.L. Ames, Iowa State University. Iowa state journal of research. Aug 1980. v. 55 (1). p. 35-46. 10 ref. (NAL Call No.: 470 ID9).

0320

Characteristics of maize stripe virus transmission by the corn delphacid (Peregrinus maidis, vector).
Tsai, J.H. Zitter, T.A. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). P. 397-400. Includes 1 p. ref. (NAL Call No.: 421 J822).

0321

Chemical control of the southwestern corn borer and Banks grass mite in corn (Diatraea grandiosella, Oligonychus pratensis, pesticides, grain pests, Texas).
Michels, G.J. Chedester, L.D. College Station : The Station. PR - Texas Agricultural Experiment Station. June 1983. June 1983. (4133). 5 p. Includes references. (NAL Call No.: 100 T31P).

0322

Chemical evaluation for control of the banks grass mite, Oligonychus pratensis (Banks), on field corn (Resistance to insecticides and acaricides).
Perring, T.M. Archer, T.L.; Bynum, E.D.; Hollingsworth, K.A. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. June 1981. v. 6 (2). p. 130-135. 7 ref. (NAL Call No.: QL461.S65).

0323

Chemosensory responses of the rice weevil (Coleoptera:Curculionidae)to a susceptible and a resistant corn genotype (Sitophilus oryzae).
Gomez, L.A.JEENA. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F.; Smith, C.R. Jr. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1044-1048. ill. Includes references. (NAL Call No.: 421 J822).

0324

Chinch bug / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the distribution, appearance, life cycle, scouting methods, and chemical control of the chinch bug. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 4).

0325

Chinch bug (Heteroptera: Lygaeidae) control with insecticides on wheat, field corn, and grain sorghum, 1981 (Blissus leucopterus leucopterus, Chlorpyrifos, carbofuran, carbaryl).
Peters, L.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 178-181. Includes references. (NAL Call No.: 421 J822).

0326

Chlordimeform penetration, metabolism, and excretion in diapausing and nondiapausing larvae of the southwestern corn borer (Diatraea grandiosella).
Gayen, A.K. Knowles, C.O. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1982. v. 30 (1). p. 122-126. ill. Includes 10 ref. (NAL Call No.: 381 J8223).

0327

Choosing a soil insecticide (Corn rootworm, Diabrotica).
San Francisco, California Farmer. Agrichemical age. Jan 1981. v. 25 (1). p. 52-53. ill. (NAL Call No.: 381 AG85).

0328

Comparative consumption rates for selected insect predators of two defoliating caterpillar species of soybean in Louisiana (Lebia analis, Calosoma alternans sayi, biological control of Pseudoplusia includens, Heliothis zea, soybean looper, corn earworm).
Brown, D.W. Goyer, R.A. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. July 1984. v. 19 (3). p. 299-303. Includes 7 references. (NAL Call No.: QL461.G4).

0329

Comparative spectral sensitivity and some observations on vision related behavior of northern and western corn rootworm adults (Diabrotica: Coleoptera) (Diabrotica longicornis barberi, Diabrotica virgifera virgifera).
Agee, H.R.GENSA. Kirk, V.M.; Davis, J.C. Athens : The Society. Journal of the Georgia Entomological Society. Apr 1983. v. 18 (2). p. 240-245. ill. Includes references. (NAL Call No.: QL461.G4).

0330

Comparative susceptibility of the granulate cutworm, fall armyworm, and corn earworm to some entomopathogens (Spodoptera frugiperda, Heliothis zea).
Hamm, J.J. Lynch, R.E. Athens, Ga., The Society. Journal of the Georgia Entomological Society. July 1982. v. 17 (3). p. 363-369. 2 p. ref. (NAL Call No.: QL461.G4).

0331

Comparative toxicity of insecticides for corn rootworm (Coleoptera: Chrysomelidae) larvae in a soil bioassay (Diabrotica virgifera virgifera).
Sutter, G.R. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). p. 489-491. ill. Includes 8 ref. (NAL Call No.: 421 J822).

0332

Comparison of adult corn rootworm (Coleoptera:Chrysomelidae) trapping techniques as population estimators (Diabrotica virgifera virgifera, Diabrotica barberi).
Hein, G.L. Tollefson, J.J. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 266-271. ill. Includes references. (NAL Call No.: QL461.E532).

0333

Comparison of aerial and ground application of three granular insecticides for control of first generation European corn Borer (Ostrinia nubilalis) in corn.
Witkowski, J.F. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1980. v. 73 (3). p. 396-397. ill. 5 ref. (NAL Call No.: 421 J822).

0334

Comparison of three sampling methods for monitoring adult European corn borer (Lepidoptera:Pyralidae) population trends (Ostrinia nubilalis).
Sappington, T.W.JEENAI. Showers, W.B. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1291-1297. Includes references. (NAL Call No.: 421 J822).

0335

Comparison of western corn rootworm (Coleoptera: Chrysomelidae) adult populations and economic thresholds in first-year and continuous corn fields (Diabrotica virgifera virgifera).
Godfrey, L.D.JEENA. Turpin, F.T. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1028-1032. Includes references. (NAL Call No.: 421 J822).

0336

Compendium of corn diseases / edited by Malcolm C. Shurtleff ; in cooperation with: Cooperative Extension Service and the Dept. of Plant Pathology, University of Illinois, Urbana.
St. Paul American Phytopathological Society c1980. v, 105 p., (6) fold. leaves of plates : ill. Includes bibliographies and index. (NAL Call No.: SB608.M2I4 1980).

0337

Components for management of field corn and grain sorghum insects and mites in the United States.
Wiseman, B.R. Morrison, W.P. New Orleans : The Service. Agricultural reviews and manuals. ARM-S - United States, Dept. of Agriculture, Agricultural Research Service, Southern Region. Oct 1981. Oct 1981. (18). 18 p. Includes references. (NAL Call No.: aS21.A75U65).

0338

Consistency of lesser cornstalk borer control with Lorsban (a chlorpyrifos concentrate) in various corn cropping systems (USA).
All, J.N. Midland, Mich., Agricultural Products Dept., Dow Chemical Co. Down to earth. Winter 1980. v. 36 (2). p. 33-36. ill. 6 ref. (NAL Call No.: 381 D75).

0339

Consumption and utilization of three maize genotypes by the southern armyworm (Spodoptera eridania).
Manuwoto, S. Scriber, J.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 163-167. ill. 1 p. ref. (NAL Call No.: 421 J822).

0340

Controlling stalk borer damage in field corn (Papaipema nebris).
Rubink, W.L. McCartney, D.A. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Jan/Feb 1982. v. 67 (1). p. 11-13. ill. (NAL Call No.: 100 OH3S (3)).

0341

Corn earworm and European corn borer control programs in sweet corn, 1979 (Heliothis zea, Ostrinia nubilalis).
Flood, B.R. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 69-70. (NAL Call No.: SB950.A1I49).

0342

Corn earworm control.
York, Alan C. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1980. Includes corn earworm control in home gardens and the equipment needed for spraying. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: E-31).

0343

Corn earworm (Heliothis zea) control in sweetcorn.
Daniels, N.E. TX. Chedester, L.D. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station.Texas. Agricultural Experiment Station. Mar 1980. Mar 1980. (3679). 2 p. ill. 5 ref. (NAL Call No.: 100 T31P).

0344

Corn earworm (Lepidoptera:Noctuidae) in Idaho: corn kernel compensation for larval damage (Heliothis zea).
White, S.M.JEENAI. Scott, D.R. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1374-1375. Includes references. (NAL Call No.: 421 J822).

0345

The corn earworm or tomato fruitworm (Virginia 1958-1980).
Hofmaster, R.N. Norfolk, Va., The Service. The Vegetable growers news - Virginia Polytechnic Institute and State University, Cooperative Extension Service. May 1981. v. 35 (11). p. 1, 4. (NAL Call No.: 275.28 V52).

0346

Corn germplasm resists corn borers (Ostrinia nubilalis, maize).
Hardin, B. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Jan 1984. v. 32 (5). p. 14. ill. (NAL Call No.: 1.98 AG84).

0347

Corn insect pest management.
Keith, D.L. Witkowski, J.F.; Mayo, Z.B. Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1981. 1981. (35th). p. 88-101. (NAL Call No.: 59.9 AM32).

0348

Corn insects -- below ground / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1976. This publication describes and illustrates twelve below the ground corn insects. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: PM 463-5).

0349

Corn insects - above ground / Purdue University.
Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1979. Lists corn insects which are above ground. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: E-83).

0350

Corn insects--above ground / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1976. This publication discribes and illustrates ten above the ground corn insects. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: PM 463-4).

0351

Corn insects / prepared by the Clemson University Cooperative Extension Service's Entomology - Plant Pathology and Agricultural Communications Sections.
Clemson, S.C. Clemson University, Cooperative Extension Services's Entomology - Plant Pathology and Agricultural Communications Sections (Washington, D.C.?) Federal Extension Service 1968. (1) leaf : all col. ill. ; 28 cm. (NAL Call No.: MLCM 84/1124).

0352

Corn leaf aphid.
Edwards, Richard C. Matthew, David L.& Field crops insects. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1979. Discusses leaf aphid life cycle and control. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: E-58).

0353

Corn leaf aphid / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the corn leaf aphid distribution, description, life cycle, damage done, natural control, detection, and chemical controls. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent. Series 8).

0354

Corn pest management / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication is a worksheet to list insects, weeds, and diseases infesting your corn crop. 3 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: IPM-4).

0355

Corn rootworm control - 1981.
Matthew, David L. Edwards, Richard C.& Fields crops insects. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1980. Discusses corn rootworm beetle and larvae sampling and control. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: E-49).

0356

Corn rootworm control in South Dakota.
Kantack, B. H. Walgenbach, David. Document available from: South Dakota State University, Ag. Information Bulletin Room, Extension Building, Brookings, South Dakota 57007 1977. This publication addresses rootworm infestation in crops. Life cycle, larvae damage, future contol problems, and control measures for larvae and adults are the topics included. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: FS 491).

0357

Corn rootworm management.
Stockdale, Harold J. Foster, David E. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication discusses the corn rootworm including life cycle, damage, larval control, insecticide performance and rotation, secondary insect control, safety, and adult control. 2 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Pm-670).

0358

Corn rootworm: population reduction associated with the ant, Lasius neoniger (a natural biological control agent of Diabrotica spp., South Dakota).
Kirk, V.M. College Park, Md., Entomological Society of America. Environmental entomology. Dec 1981. v. 10 (6). p. 966-967. Includes 9 ref. (NAL Call No.: QL461.E532).

0359

Corn rootworm soil insecticide treatment decisions based on beetle numbers.
Witkowski, J. F. Keith, D. L.; Mayo, ZB. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1983. Outlines scouting procedures for counting corn rootworm beetles and discusses population numbers associated with non-economic root damage by larvae the following year. 3 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: G83-634).

0360

Corn rootworms--unraveling mysteries of their lives.
Hardin, B.CRSOA. Madison : American Society of Agronomy. Crops and soils magazine. Jan 1983. v. 35 (4). p. 14-16. ill. (NAL Call No.: 6 W55).

0361

Corn rootworms / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1981. This publication discusses the distribution and appearance of the three species, life cycle, damage, host relationships, cultural factors, and control methods. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 2 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 11).

0362

Corn rootworms are still the number one corn insect pest (Diabrotica virgifera).
Wedberg, J.L. Fort Atkinson, Wis., W.D. Hoard & Son. Hoard's dairyman. Mar 10, 1981. v. 126 (5). p. 424-425. ill. (NAL Call No.: 44.8 H65).

0363

Corn seedling growth stage and black cutworm (Lepidoptera: Noctuidae) damage (Agrotis ipsilon).
Showers, W.B.EVETB. Von Kaster, L.; Mulder, P.G. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 241-244. Includes references. (NAL Call No.: QL461.E532).

0364

Corn, sorghum, and millet as hosts for the southwestern corn borer (Diatraea grandiosella).
Burton, R.L. Starks, K.J.; Webster, J.A. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. Mar 1982. v. 7 (1). p. 1-3. ill. Includes 5 ref. (NAL Call No.: QL461.S65).

0365

Crop rotation vs. monoculture. I. Insect control (Pests of maize, cotton, rice, soybeans, sorghum).
Barnes, G. Madison, Wis., American Society of Agronomy. Crops and soils magazine. Jan 1980. v. 32 (4). p. 15-17. ill. (NAL Call No.: 6 W55).

0366

Cucurbit insect control.
York, Alan C. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1978. Includes cucumber beetles, mites, aphids, squash bug, vine borer, seed corn maggot and their control. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.:

E-30).

0367

Current status of imported and native parasites of the European corn borer (Lepidoptera: Pyralidae) in Connecticut (Ostrinia nubilalis).
Andreadis, T.G. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 626-629. ill., map. 12 ref. (NAL Call No.: 421 J822).

0368

Cutworms (Agrotis ipsilon, Feltia ducens, Crymodes devastor, Euxoa detersa) in corn.
Stockdale, H.J. IA. DeWitt, J.R.; Townsend, L. Ames, Iowa, The Service. PM - Cooperative Extension Service, Iowa State University.Iowa State University of Science and Technology, Ames. Cooperative Extension Service. May 1979. May 1979. (887). 2 p. ill. (NAL Call No.: 275.29 ID9PA).

0369

Cutworms in corn.
Matthew, David L. Jr. Edwards, Richard C.& Field crops insects. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1980. Examines cutworm detection, sampling and control options. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: E-48).

0370

Cutworms in corn / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the species of cutworm and then refers only to the black cutworm and it's description, life cycle, damage, scouting methods, and control methods. Document available from: Ext. Dffice of Information, Dhio State University, 2120 Fyffe Road, Columbus, Ohio 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 10).

0371

Cutworms (Noctuidae) cause big damage in a small area (Maize).
San Francisco, California Farmer Publishing Co. California farmer. May 16, 1981. v. 254 (10). p. 9-I. ill. (NAL Call No.: S1.C185).

0372

Damage and yield reduction in field corn due to black cutworm (Lepidoptera: Noctuidae) feeding: results of a computer simulation study (Agrotis ipsilon, Illinois).
Troester, S.J.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1125-1131. 10 ref. (NAL Call No.: 421 J822).

0373

Damage caused by potato stem borer (Lepidoptera:Noctuidae) to field corn (Hydraecia micacea).
Deedat, Y.D.JEENA. Ellis, C.R. College Park : Entomological Society of America. Journal of economic entomology. Dct 1983. v. 76 (5). p. 1055-1060. ill. Includes references. (NAL Call No.: 421 J822).

0374

Damage from infesting maize plants with European corn borer egg masses and larvae (Ostrinia nubilalis, maize genotypes).
Guthrie, W.D. Jarvis, J.L.; Robbins, J.C. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1984. v. 1 (1). p. 6-16. Includes references. (NAL Call No.: SB599.J69).

0375

Damage potential of adult and larval southern corn billbugs (Coleoptera: Curculionidae) on field corn in eastern North Carolina (Sphenophorus callosus).
Wright, R.J.JEENA. Van Duyn, J.W.; Bradley, J.R. Jr. College Park : Entomological Society of America. Journal of economic entomology. Dct 1982. v. 75 (5). p. 872-876. Includes references. (NAL Call No.: 421 J822).

0376

Damage potential of cereal leaf beetles (Coleoptera:Chrysomelidae) in Virginia small grains and corn (Oulema melanopus).
McPherson, R.M.JEENAI. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1285-1287. Includes references. (NAL Call No.: 421 J822).

0377

Density-dependent responses in laboratory populations of European corn borer larvae (Ostrinia nubilalis).
Ramsey, T.A. Brown, G.C. Lawrence, Kan. : The Society. Journal of the Kansas Entomological Society. Jan 1984. v. 57 (1). p. 100-104.

Includes references. (NAL Call No.: 420 K13).

0378

Dent corn inbred sources of resistance to the maize weevil (Coleoptera: Curculionidae) (Sitophilus zeamais).
Widstrom, N.W. McMillian, W.W.; Redlinger, L.M.; Wiser, W.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 31-33. Includes references. (NAL Call No.: 421 J822).

0379

Development and evaluation of a larval sampling technique for the black cutworm (Lepidoptera: Noctuidae) (Agrotis ipsilon, seedling corn pest, USA).
Story, R.N. Keaster, A.J. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 604-610. ill. 7 ref. (NAL Call No.: 421 J822).

0380

Development of a bioluminescence assay for aldehyde pheromones of insects. II. Analysis of pheromone glands (Corn earworm, Heliothis zea, navel orangeworm, Amyelois transitella, western spruce budworm, Choristoneura occidentalis, spruce budworm, Choristoneura fumiferana, pest species of crops and trees).
Grant, G.G. Slessor, K.N.; Szittner, R.B.; Morse, D.; Meighen, E.A. New York, N.Y., Plenum Press. Journal of chemical ecology. June 1982. v. 8 (6). p. 923-933. 21 ref. (NAL Call No.: QD415.A1J6).

0381

Development of Heliothis virescens (tobacco budworm) and Diatraea saccharalis (sugarcane borer) on a soyflour-corn oil diet.
Brewer, F.D. College Park, Md., The Society. Annals of the Entomological Society of America. May 1981. v. 74 (3). p. 320-323. 6 ref. (NAL Call No.: 420 EN82).

0382

Development of the fall armyworm on cotton, soybean and corn (Spodoptera frugiperda).
Pitre, H.N.GENSA. Hogg, D.B. Athens : The Society. Journal of the Georgia Entomological Society. Apr 1983. v. 18 (2). p. 182-187. Includes references. (NAL Call No.: QL461.G4).

0383

Development of the southwestern corn borer (Diatraea grandiosella) as affected by a diet of selected corn plant tissues.
Loera, J. Poston, F.L.; Whitworth, R.J. College Park, Md., The Society. Annals - Entomological Society of America.Entomological Society of America. Jan 1980. v. 73 (1). p. 24-27. ill. 8 ref. (NAL Call No.: 420 EN82).

0384

Diapause characteristics of European corn borer cultures reared on a meridic diet for many generations (Ostrinia nubilalis).
Jarvis, J.L.ISURA. Guthrie, W.D.; Showers, W.B. Ames : Iowa State University. Iowa state journal of research. Feb 1983. v. 57 (3). p. 269-274. Includes references. (NAL Call No.: 470 ID9).

0385

Diapause in the nearctic species of the virgifera group of Diabrotica: evidence for tropical origin and temperate adaptations (Corn rootworm, ecologic aspects, USA).
Krysan, J.L. College Park, Md., The Society. Annals of the Entomological Society of America. Mar 1982. v. 75 (2). p. 136-142. ill., map. Includes 2 p. ref. (NAL Call No.: 420 EN82).

0386

Differences in the development response of the European corn borer reared on corn plant vs. meridic diet under greenhouse conditions (Ostrinia nubilalis).
Dittrick, L.E. Chiang, H.C. College Park, Md., Entomological Society of America. Environmental entomology. Dec 1981. v. 10 (6). p. 889-892. Includes 9 ref. (NAL Call No.: QL461.E532).

0387

Differential pathogenicity of corn stunting mollicutes to leafhopper vectors in Dalbulus and Baldulus species (Baldulus tripsaci, corn stunt spiroplasma, maize bushy stunt mycoplasma, Zea mays).
Madden, L.V.PHYTAJ. Nault, L.R. St. Paul : American Phytopathological Society. Phytopathology. Dec 1983. v. 73 (12). p. 1608-1614. Includes references. (NAL Call No.: 464.8 P56).

0388

Differential reaction of larvae of the western corn rootworm to certain species of Gramineae / by Terry Fred Branson.
Branson, Terry Fred, 1935. Ann Arbor, Mich. University Microfilms 1971. Thesis--South Dakota State University, 1970. Facsimile produced by microfilm-xerography. (9), 79 leaves. Bibliography: leaves 76-79. (NAL Call No.: DISS 71-4,900).

0389

Diseases and insects of corn in South Carolina.
Krausz, J.P. SD. Manley, D.G. Clemson, S.C., The Service. Circular - Clemson University, Cooperative Extension Service. Nov 1979. Nov 1979. (601). 10 p. ill. (NAL Call No.: 275.29 S08E).

0390

Distribution and abundance of corn rootworm species (Diabrotica vergifera and Diabrotica longicornis) as influenced by topography and crop rotation in eastern Nebraska.
Hill, R.E. Mayo, Z.B. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1980. v. 9 (1). p. 122-127. ill., map. 10 ref. (NAL Call No.: QL461.E532).

0391

Distribution of fall armyworm egg masses of sweet corn (Spodoptera frugiperda).
Thomson, M.S.GENSA. All, J.N. Athens : The Society. Journal of the Georgia Entomological Society. Apr 1983. v. 18 (2). p. 219-224. Includes references. (NAL Call No.: QL461.G4).

0392

The distribution of natural enemies of the corn leaf aphid (Homoptera: Aphididae) on field corn (Rhopalosiphum maidis, USA).
Wagner, S.W.GRLEA. Ruesink, W.G. East Lansing : Michigan Entomological Society. The Great Lakes entomologist. Autumn 1982. v. 15 (3). p. 153-157. 1 p. ref. (NAL Call No.: QL461.M5).

0393

Distribution of the European corn borer, Ostrinia nubilalis (Hubner) (Lepidoptera:Pyralidae), as related to oviposition preference of the spring-colonizing generation in eastern North Carolina.
Anderson, T.E. Kennedy, G.G.; Stinner, R.E. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 248-251. Includes references. (NAL Call No.: QL461.E532).

0394

Distribution of western bean cutworm eggs among short-, mid-, and long-season corn hybrids planted on different dates (Loxagrotis albicosta).
Holtzer, T.O.EVETB. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1375-1379. Includes references. (NAL Call No.: QL461.E532).

0395

Diversification of corn agroecosystems as a means of regulating fall armyworm (Spodoptera frugiperda) populations.
Altieri, M.A. Gainesville, Florida Entomological Society. Florida entomologist. Dec 1980. v. 63 (4). p. 450-456. 22 ref. (NAL Call No.: 420 F662).

0396

Dosage-morality data for five insecticides on three European corn borer (Ostrinia nubilalis) ecotypes.
Koziol, F.S. AR-NC. Witkowski, J.F.; Showers, W.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 181-183. ill. 11 ref. (NAL Call No.: 421 J822).

0397

Dosage-mortality response of the first three instars of European corn borer (Ostrinia nubilalis) (Lepidoptera: Pyralidae) larvae to seven insecticides.
Koziol, F.S. Witkowski, J.F. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1981. v. 54 (2). p. 327-330. 8 ref. (NAL Call No.: 420 K13).

0398

Ecdysteroid titres in haemolymph of fifth instar larvae and pupae of the Euroean corn borer, Ostrinia nubilalis (Hubner).
Gelman, D.B. Fuchs, D. Lawrence, Kan., American Society of Zoologists. American zoologist. 1980. v. 20 (4). p. 861. (NAL Call No.: 410 AM3).

0399

Ecology and control of spider mites on corn in northeastern Colorado / J.A. Logan, B.D. Congdon, J.K. Alldredge.
Logan, J. A. Fort Collins Cooperative Extension Service, Colorado State University 1983. "August 1983". 41 p. : ill. ; 28 cm. -. Bibliography: p. 24-25. (NAL Call No.: 100 C71S (1) no.585S).

0400

Economic-threshold dynamics of black and claybacked cutworms (Lepidoptera: Noctuidae) in field corn (Agrotis ipsilon, Agrotis gladiaria).
Story, R.N.EVETB. Keaster, A.J.; Showers, W.B.; Shaw, J.T.; Wright, V.L. College Park : Entomological Society of America. Environmental entomology. Dec 1983. v. 12 (6). p. 1718-1723. Includes references. (NAL Call No.: QL461.E532).

0401

Effect of aflatoxin B1 on European corn borer survival and development in the laboratory (Ostrinia nubilalis).
Jarvis, J.L. Guthrie, W.D.; Lillehoj, E.B. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1984. v. 1 (1). p. 17-22. Includes references. (NAL Call No.: SB599.J69).

0402

Effect of an insecticide and a herbicide combiantion on corn rootworm (Coleoptera: Chrysomelidae) damage (Diabrotica virgifera virgifera).
Gray, M.E. Coats, J.R.; Tollefson, J.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 465-467. Includes references. (NAL Call No.: 421 J822).

0403

Effect of application method on efficacy of planting-time treatments of carbofuran, chlorpyrifos, and terbufos against the southern corn billbug (Coleoptera:Curculionidae) on field corn (Sphenophorus callosus, Zea mays, banded, banded-incorporated, and in-furrow planting-time applications).
DuRant, J.A. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. July 1984. v. 19 (3). p. 387-393. Includes 3 references. (NAL Call No.: QL461.G4).

0404

Effect of Bacillus thuringiensis and Perezia pyraustae on oxygen uptake by the European corn borer, Ostrinia nubilalis / by Leslie Cobb Lewis.
Lewis, Leslie Cobb, 1939. 1970. Thesis (Ph.D.)--Iowa State University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. iii, 103 leaves ; 21 cm. Bibliography: leaves 68-72. (NAL Call No.: DISS 70-25,800).

0405

Effect of copulation time on spermatozoan transfer of Diabrotica virgifera (Coleoptera: Chrysomelidae) (Western corn rootworm).
Lew, A.C. Ball, H.J. College Park, Md., The Society. Annals of the Entomological Society of America. July 1980. v. 73 (4). p. 360-361. 4 ref. (NAL Call No.: 420 EN82).

0406

Effect of crop phenology on Orius insidiosus populations on strip-cropped soybean and corn (Soybean thrips, Sericothrips variabilis, biological control).
Isenhour, D.K. Yeargan, K.V. Athens, Ga., The Society. Journal of the Georgia Entomological Society. July 1981. v. 16 (3). p. 310-322. Bibliography p. 322. (NAL Call No.: QL461.G4).

0407

Effect of diapause on the migration of the European corn borer (Ostrinia nubilalis) into the southeastern United States.
Showers, W.B. Raleigh, N.C., University Graphics, 1979. Movement of highly mobile insects: concepts and methodology in research; proceedings of a conference, "Movement of Selected Species of Lepidoptera in the Southeastern United States," Raleigh, North Carolina, April 9-11, 1979, edited by R. L. Rabb and G. G. Kennedy. p. 420-430. ill., maps. 22 ref. (NAL Call No.: SB945.L63M6).

0408

Effect of hybrids with different levels of susceptibility to second-generation european corn borers (Ostrinia nubilalis) on aflatoxin contamination in corn.
Guthrie, W.D. Lillehoj, E.B.; McMillian, W.W.; Barry, D.; Kwolek, W.F.; Franz, A.O.; Catalano, E.A.; Russell, W.A.; Widstrom, N.W. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1981. v. 29 (6). p. 1170-1172. 8 ref. (NAL Call No.: 381 J8223).

0409

Effect of mineral oil and a systemic insecticide on field spread of aphid-borne maize dwarf mosaic virus in sweet corn.
Ferro, D.N. MacKenzie, J.D.; Margolies, D.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 730-735. ill. 17 ref. (NAL Call No.: 421 J822).

0410

Effect of parasitism by Bonnetia comta (Diptera: Tachinidae) on larvae of Agrotis ipsilon (Lepidoptera: Noctuidae) (Black cutworm, pest of maize, pest management, Ohio).
Levine, E. Clement, S.L. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1981. v. 54 (2). p. 219-222. 6 ref. (NAL Call No.: 420 K13).

0411

Effect of plant height and the yellow-green gene in maize on leaf feeding by first-generation European corn borers (Lepidoptera: Pyralidae) (Zea mays, Ostrinia nubilalis).
Guthrie, W.D.JEENA. Barry, B.D.; Reed, G.L. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 818-820. Includes references. (NAL Call No.: 421 J822).

0412

Effect of planting dates and soybean cultivars on pod damage by corn earworm (Heliothis zea, resistance).
Joshi, J.M. USDA. Madison, Wis., Crop Science Society of America. Crop science. Jan/Feb 1980. v. 20 (1). p. 59-63. ill. 6 ref. (NAL Call No.: 64.8 C883).

0413

Effect of second-generation European corn borers on resistance of maize to Diplodia maydis (Ostrinia nubilalis, Zea mays, stalk rot, interactions of pest and disease, host plant resistance).
Jarvis, J.L. Clark, R.L.; Guthrie, W.D. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1149-1152. 19 ref. (NAL Call No.: 464.8 P56).

0414

Effect of seedling injury by the stalk borer (Lepidoptera:Noctuidae) on regrowth and yield of corn (Papaipema nebris).
Levine, E. Clement, S.L.; McCartney, D.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 167-170. Includes references. (NAL Call No.: 421 J822).

0415

Effect of soil-applied carbofuran on transmission of maize chlorotic dwarf virus and maize dwarf mosaic virus to susceptible field corn hybrid (Blackfaced leafhopper, Graminella nigrifrons, Rhopalosiphum maidis, Zea mays).
Rains, B.D.JEENA. Christensen, C.M. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 290-293. Includes references. (NAL Call No.: 421 J822).

0416

Effect of the European corn borer on yield of inbred and single-cross seed corn / by John Edward Campbell.
Campbell, John Edward, 1939. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. ii, 138 leaves ; 21 cm. Bibliography: leaves 92-95. (NAL Call No.: DISS 72-12,542).

0417

The effect of waxy endosperm corn on resistance to the maize weevil (Sitophilus zeamais).
Widstrom, N.W. McMillian, W.W.; Wiseman, B.R. Gainesville, Florida Entomological Society. Florida entomologist. Dec 1980. v. 63 (4). p. 514-515. (NAL Call No.: 420 F662).

0418

The effectiveness of cultivation as a control for corn earworm by G.W. Barber and E.F. Picke.
Barber, George W. Washington, D.C. U.S. Dept. of Agriculture 1937. 16 p. : ill. -. (NAL Call No.: Fiche S-69 no.561).

0419

Effects of 'Antigua 2D-118' resistant corn on fall armyworm feeding and survival (Heliothis zea).
Wiseman, B.R. Widstrom, N.W.; McMillian, W.W. Gainesville, Florida Entomological Society. Florida entomologist. Dec 1981. v. 64 (4). p. 515-519. Includes 2 p. references. (NAL Call No.: 420 F662).

0420

Effects of moth population density and pheromone concentration on mating disruption of the corn earworm in large screened cages (Georgia).
Carpenter, J.E. Sparks, A.N.; Gueldner, R.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 333-336. 5 ref. (NAL Call No.: 421 J822).

0421

Effects of parasitism by Lixophaga diatraeae (Diptera: Tachinidae) on food composition and utilization of European corn borer larvae (Lepidoptera: Pyralidae) (Ostrinia nubilalis, biological control).
Huebner, L.B.EVETB. Chiang, H.C. College Park : Entomological Society of America. Environmental entomology. Oct 1982. v. 11 (5). p. 1053-1057. Includes references. (NAL Call No.: QL461.E532).

0422

Effects of precipitation and wind on populations of adult European corn borer (Lepidoptera: Pyralidae) (Ostrinia nubilalis).
Sappington, T.W.EVETB. Showers, W.B. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1193-1196. Includes references. (NAL Call No.: QL461.E532).

0423

Effects of sensory adaptation, stimulus concentration and age on antennal olfactory response to sex pheromone by male Heliothis zea (Corn earworm, electroantennograms).
Delorme, J.D. Payne, T.L. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. July 1984. v. 19 (3). p. 371-377. Includes 9 references. (NAL Call No.: QL461.G4).

0424

Effects of vision on mating behavior of the male corn earworm (Heliothis zea).
Carpenter, J.E. Sparks, A.N. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 248-250. ill. 9 ref. (NAL Call No.: 421 J822).

0425

Embryology of Diabrotica undecimpunctata howardi (southern corn rootworm) (Coleoptera: Chrysomelidae) from germ band formation to hatching.
Storch, R.H. AR-NC. Krysan, J.L. College Park, Md., The Society. Annals of the Entomological Society of America. July 1980. v. 73 (4). p. 362-366. ill. 11 ref. (NAL Call No.: 420 EN82).

0426

Enzyme-linked immunosorbent assay for the detection of corn stunt spiroplasma in plant and insect tissues.
Raju, B.C. Nyland, G. New York, Springer International. Current microbiology. 1981. v. 5 (2). p. 101-104. 22 ref. (NAL Call No.: QR1.C78).

0427

Epizootiology of Nosema pyrausta in field populations of the European corn borer (Lepidoptera: Pyralidae).
Andreadis, T.G. College Park, Md. : Entomological Society of America. Environmental entomology. June 1984. v. 13 (3). p. 882-887. (NAL Call No.: QL461.E532).

0428

Estimating the cutting potential of black cutworms in field corn (Agrotis ipsilon).
Clement, S.L. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. July/Aug 1982. v. 67 (4). p. 61-62. ill. (NAL Call No.: 100 OH3S (3)).

0429

Eugenol, a new attractant for the northern corn rootworm (Coleoptera:Chrysomelidae) (Diabrotica barberi).
Ladd, T.L.JEENA. Stinner, B.R.; Krueger, H.R. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1049-1051. Includes references. (NAL Call No.: 421 J822).

0430

Eugenol-related attractants for the northern corn rootworm (Coleoptera: Chrysomelidae) (Diabrotica barberi).
Ladd, T.L. Jr. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 339-341. ill. Includes references. (NAL Call No.: 421 J822).

0431

European corn borer / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses how to prevent the European Corn Borer, when to treat field corn and what chemicals and methods are recommended. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 6).

0432

European corn borer control.
Edwards, Richard C. Matthew, David L.; York, Alan C.& Field crops insects. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1980. Includes preventing borer damage and control measures for European corn borer. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: E-17).

0433

European corn borer control with LORSBAN 15G insecticide (Ostrinia nubilalis).
Stretz, L. Jentes, C.; Ksander, T. Midland, Mich., Agricultural Products Dept., Dow Chemical Co. Down to earth. Fall 1980. v. 37 (1). p. 6-8. ill. 3 ref. (NAL Call No.: 381 D75).

0434

The European corn borer in Virginia presented by Virginia Tech ; (written by Joseph L. Despins).
Despins, Joseph L. (Blacksburg, Va.) Virginia Polytechnic Institute and State University (1981?). Pesticide Applicator Training Collection. 48 slides : col. + 1 sound cassette (12:30 mins.) + 1 script. (NAL Call No.: Slide no.25).

0435

European corn borer leaf feeding resistance: a simplified technique for determining relative differences in concentrations of 6-methoxybenzoxazolinone (Lepidoptera: Pyralidae) (Chemical analysis of maize, Zea mays, Ostrinia nubilalis).
Robinson, J.F. Klun, J.A.; Guthrie, W.D.; Brindley, T.A. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1982. v. 55 (2). p. 297-301. Includes 10 ref. (NAL Call No.: 420 K13).

0436

European corn borer (Lepidoptera:Pyralidae) development, larval survival, and adult vigor on meridic diets containing marker dyes (Ostrinia nubilalis).
Ostlie, K.R. Hein, G.L.; Higley, L.G.; Kaster, L.V.; Showers, W.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 118-120. Includes references. (NAL Call No.: 421 J822).

0437

European corn borer (Lepidoptera: Pyralidae) leaf feeding resistance: Dimboa bioassays (2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one, Ostrinia nubilalis).
Robinson, J.F. Klun, J.A.; Guthrie, W.D.; Brindley, T.A. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1982. v. 55 (2). p. 357-364. Includes 2 p. ref. (NAL Call No.: 420 K13).

0438

The European corn borer (Ostrinia nubilalis).
Wedberg, J.L. WI. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension.Wisconsin. University. Cooperative Extension Programs. Jan 1980. Jan 1980. (A1220). 2 p. ill. 3 ref. (NAL Call No.: S544.3.W6W53).

0439

European corn borer (Ostrinia nubilalis): evaluation of resistance in husk-silk tissue of inbred lines of corn.
Guthrie, W.D. AR-NC. Onukogu, F.A.; Awadallah, W.H.; Robbins, J.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 178-180. ill. 5 ref. (NAL Call No.: 421 J822).

0440

European corn borer (Ostrinia nubilalis) trapping in North Carolina with various sex pheromone component blends.
Kennedy, G.G. Anderson, T.E. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 642-646. ill. 9 ref. (NAL Call No.: 421 J822).

0441

European corn borer (Ostrinia nubilalis): yield losses and damage resulting from a simulated natural infestation.
Lynch, R.E. AR-SO. Robinson, J.F.; Berry, E.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 141-144. ill. 15 ref. (NAL Call No.: 421 J822).

0442

European corn borer (Ostrinia nubilalis): yield losses in relation to hybrid and stage of corn development.
Lynch, R.E. AR-NC. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 159-164. ill. 16 ref. (NAL Call No.: 421

J822).

0443

European corn borer parasitoids; distribution in southern Minnesota (Ostrinia nubilalis).
Winnie, W.V. Sreenivasam, D.D.; Chiang, H.C. St. Paul, Minn., The Academy. Journal of the Minnesota Academy of Science. 1981. v. 47 (2). p. 3-5. map. Includes ref. (NAL Call No.: 500 M663).

0444

European corn borers (Pyrausta nubilalis) move West. New chemicals were used to check advance.
San Francisco, California Farmer. Agrichemical age. Dec 1980. v. 24 (10). p. 6-7, 82. ill. (NAL Call No.: 381 AG85).

0445

Evaluation of a mutable system for inducing resistance to European corn borer (Lepidoptera: Pyralidae) in susceptible inbred lines of dent maize (Zea mays, Ostrinia nubilalis).
Guthrie, W.D.JKESA. Barry, B.D. Lawrence : The Society. Journal of the Kansas Entomological Society. Oct 1983. v. 56 (4). p. 552-554. Includes references. (NAL Call No.: 420 K13).

0446

Evaluation of a trench method for sampling eggs of the northern jand western corn rootworms (Coleoptera:Chrysomelidae) (Diabrotica barberi, Diabrotica virgifera).
Ruesink, W.G.JEENA. Shaw, J.T. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1195-1198. ill. Includes references. (NAL Call No.: 421 J822).

0447

Evaluation of an antibiotic factor in maize silks as a means of corn earworm (Lepidoptera: Noctuidae) suppression (Zea mays, Heliothis zea).
Henson, A.R. Zuber, M.S.; Darrah, L.L.; Barry, D.; Rabin, L.B.; Waiss, A.C. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 487-490. Includes references. (NAL Call No.: 421 J822).

0448

Evaluation of Baculovirus heliothis, Bacillus thuringiensis, Nomuraea rileyi, and carbaryl against Heliothis zea on hand-pollinated sweet corn ears (entomopathogens, chemical insecticides).
Ignoffo, C.M. AR-NC. Zuber, M.S.; Garcia, C.; Darrah, L.L.; Deutscher, D. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. July 1980. v. 53 (3). p. 485-489. 16 ref. (NAL Call No.: 420 K13).

0449

Evaluation of commercial corn hybrids for resistance to leaf feeding by the southwestern corn borer (Diatraea grandiosella) and the fall armyworm (Spodoptera frugiperda).
Williams, W.P. Davis, F.M. Mississippi State, The Station. Research report - Mississippi Agricultural & Forestry Experiment Station. Mar 1981. v. 5 (6). 3 p. (NAL Call No.: S79.E37).

0450

Evaluation of commercial corn hybrids for resistance to leaf feeding by the southwestern corn borer and the fall armyworm (Diatraea grandiosella, Spodoptera frugiperda).
Williams, W.P. Davis, F.M. Mississippi State, The Station. MAFES research highlights - Mississippi Agricultural & Forestry Experiment Station. Apr 1981. v. 44 (4). p. 5. (NAL Call No.: 100 M69MI).

0451

Evaluation of corn earworm (Heliothis zea) damage and incidence of blank tip (developmental anomaly) in corn grown in Hawaii and its significance to pest management.
Vargas, R. Nishida, T. Honolulu, The Society. Proceedings of the Hawaiian Entomological Society. Feb 1981. v. 23 (3). p. 455-461. ill. 11 ref. (NAL Call No.: 420 H312).

0452

Evaluation of dispensers for the pheromone of Heliothis zea (Corn earworm).
Lopez, J.D. Jr. Shaver, T.N.; Hartstack, A.W. Jr. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. June 1981. v. 6 (2). p. 117-122. 6 ref. (NAL Call No.: QL461.S65).

0453

Evaluation of Rachiplusia ou and Autographa californica nuclear polyhedrosis viruses in suppressing black cutworm damage to seedling corn in greenhouse and field (biological control, USA).
Johnson, T.B. Lewis, L.C. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). p. 401-404. Includes 7 ref. (NAL Call No.: 421 J822).

0454

Evaluation of southwestern corn borer control through center-pivot chemigation (Irrigation systems, pest control, Texas High Plains).
Michels, G.J. Chedester, L.D. College Station : The Station. PR - Texas Agricultural Experiment Station. July 1983. July 1983. (4134). 6 p. ill. Includes references. (NAL Call No.: 100 T31P).

0455

Evaluation of southwestern corn borer (Diatraea grandiosella) host plant resistance for open pedigree hybrids and inbred lines of corn.
Bynum, E.D. Jr. TX. Ward, C.R.; Archer, T.L. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. May 1980. May 1980. (3684). 7 p. 6 ref. (NAL Call No.: 100 T31P).

0456

Evaluation of three selected insecticides for control of the southwestern corn borer (Diatraea grandiosella) in field corn.
Bynum, E.D. Jr. Ward, C.R.; Archer, T.L. College Station, Tex., Southwestern Entomological Society. The Southwestern entomologist. June 1980. v. 5 (2). p. 128-132. ill. 7 ref. (NAL Call No.: QL461.S65).

0457

Evidence for co-evolution of leafhoppers in the genus Dalbulus (Cicadellidae: Homoptera) with maize and its ancestors (Mexico).
Nault, L.R. Delong, D.M. College Park, Md., The Society. Annals of the Entomological Society of America. July 1980. v. 73 (4). p. 349-353. ill., map. 30 ref. (NAL Call No.: 420 EN82).

0458

Evidence of spring immigration and autumn reproductive diapause of the adult black cutworm in Iowa (Agrotis ipsilon, corn pest management system).
Von Kaster, L. Showers, W.B. College Park, Md., Entomological Society of America. Environmental entomology. Apr 15, 1982. v. 11 (2). p. 306-312. ill. Includes ref. (NAL Call No.: QL461.E532).

0459

Experiments on breeding corn resistant to the European corn borer by Marion T. Meyers ... (et al.). ; United States Department of Agriculture, Bureau of Plant Industry, in cooperation with the Ohio Agricultural Experiment Station and the Ohio State University.
Washington, D.C. U.S. Dept. of Agriculture 1937. 30 p. : ill. -. Bibliography: p. 28-29. (NAL Call No.: Fiche S-69 no.583).

0460

Factors contributing to control of second-generation European corn borers (Ostrinia nubilalis).
Guthrie, W.D. AR-NADC. Berry, E.C. Washington, D.C., American Seed Trade Association. Proceedings of the ... annual corn and sorghum research conference.American Seed Trade Association. Corn and Sorghum Division. Corn and Sorghum Research Conference. 1979. 1979. (34th). p. 25-34. ill. Bibliography p. 33-34. (NAL Call No.: 59.9 AM32).

0461

Facultative production of alates by greenbug and corn leaf aphid, and implications in aphid population dynamics (Homoptera: Aphididae) (Schizaphis graminum, Rhopalosiphum maidis).
Summy, K.R.JKESA. Gilstrap, F.E. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1983. v. 56 (3). p. 434-440. Includes references. (NAL Call No.: 420 K13).

0462

Fall armyworm resistance in corn and its supression of larval survival and growth (Spodoptera frugiperda, Zea mays, corn genotypes, comparisons).
Williams, W.P.AGJOA. Davis, F.M.; Wiseman, B.R. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 831-832. Includes references. (NAL Call No.: 4 AM34P).

0463

Fate of diflubenzuron in southwestern corn borer larvae (Lepidoptera:Pyralidae) (Diatraea grandiosella).
Knowles, C.O.JEENA. Gayen, A.K. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 833-836. Includes references. (NAL Call No.: 421 J822).

0464

A faunistic and ecological study of the insects found on the corn plant in Minnesota / by Mary Ellen Warters.
Warters, Mary Ellen, 1926. 1969. Thesis (Ph.D.)--University of Minnesota, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xvi, 517 leaves : ill. ; 21 cm. Bibliography: leaves 376-391. (NAL Call No.: DISS 69-16,456).

0465

Feeding behavior of Graminella nigrifrons (Forbes) (a vector of maize, Zea mays, chlorotic dwarf virus).
Triplehorn, B.W. Nault, L.R.; Horn, D.J. College Park : The Society. Annals of the Entomological Society of America. Jan 1984. v. 77 (1). p. 102-107. Includes references. (NAL Call No.: 420 EN82).

0466

Feeding deterrent response of corn insects to beta-exotoxin of Bacillus thuringiensis (Agrotis ipsilon, Musca domestica, Ostrinia nubilalis, Spodoptera frugiperda).
Mohd-Salleh, M.B. Lewis, L.C. New York, Academic Press. Journal of invertebrate pathology. May 1982. v. 39 (3). p. 323-328. ill. 13 ref. (NAL Call No.: 421 J826).

0467

Feeding on corn by black cutworm (Lepidoptera: Noctuidae) larvae reared for one or multi-generations in the laboratory (Agrotis ipsilon).
Mulder, P.G. Jr.EVETB. Showers, W.B. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 340-344. Includes references. (NAL Call No.: QL461.E532).

0468

Field comparisons of planting time applications of Lorsban 15G insecticide for control of black cutworm and corn rootworm in corn (Agrotis ipsilon, Diabrotica, species).
French, L.K. French, J.A. Midland, Mich., Agricultural Products Dept., Dow Chemical Co. Down to earth. Spring 1979. v. 35 (2). p. 1-5. ill. (NAL Call No.: 381 D75).

0469

Field corn, chinch bug control, 1981 (Blissus leucopterus).
Foster, D.E. Stockdale, H.J. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 147-148. (NAL Call No.: SB950.A1I49).

0470

Field corn, European corn borer control, 1981 (Ostrinis nubilalis).
Witkowski, J.F. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 152-153. (NAL Call No.: SB950.A1I49).

0471

Field corn, northern corn rootworm larval control, 1979 (Diabrotica longicornis).
Hower, A.A. Jr. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 127-128. (NAL Call No.: SB950.A1I49).

0472

Field corn, western corn root worm control, 1979 (Diabrotica virgifera).
Sandvol, L. Pocock, R.; Vargas, T.; Cole, W. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 130. (NAL Call No.: SB950.A1I49).

0473

Field crop insect stages.
DeWitt, Jerry. Stockdale, Harold. 1980. This publication offers physical descriptions of larvae and their eating habits. Black cutworms, European corn borer, armyworm, corn earworm, alfalfa weevil, western corn rootworm, and green cloverworm are discussed. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 1 sheet : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: Pm-953).

0474

Field evaluation of diflubenzuron for control of first- and second-generation European corn borer (Ostrinia nubilalis).
Berry, E.C. Faragalla, A.A.; Guthrie, W.D. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 634-636. 17 ref. (NAL Call No.: 421 J822).

0475

Field key to larvae in corn.
Coppock, S. OK. Arnold, D.C. Stillwater, Okla., The Service. OSU extension facts - Cooperative Extension Service, Oklahoma State University. July 1979. July 1979. (7160). 4 p. ill. (NAL Call No.: S544.3.0505).

0476

Field performance of Lorsban 15G insecticide against corn rootworm (Diabrotica virgifera).
Ksander, T.F. Stretz, L.E.; Bean, J.N. Midland, Mich., Agricultural Products Dept., Dow Chemical Co. Down to earth. Fall 1980. v. 37 (1). p. 14-15. ill. 2 ref. (NAL Call No.: 381 D75).

0477

Find new attractant for corn rootworm (Diabrotica barberi, Diabrotica virgifera virgifera, eugenol, monitoring of insect pest populations, Ohio).
Ladd, T.L.ORRDA. Stinner, B.R.; Krueger, H.R. Wooster : The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Sept/Oct 1983. v. 68 (5). p. 67-69. ill. (NAL Call No.: 100 OH3S (3)).

0478

Flea beetles / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the distribution, appearance, life cycle, damage by, and scouting methods of the flea beetles. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 5).

0479

Flight of the corn earworm Helicoverpa armigera to components of the sex pheromone.
Buleza, V.V. Myttus, E.R.; Kovaleva, A.S.; Kagan, M.Z.; Kravchenko, V.D. New York, N.Y. : Consultant Bureau. Doklady : biological sciences - Akademiia nauk SSSR. Sept/Oct 1983 (pub.1984). Translated from: Akademiia nauk SSSR, Doklady, (1) p. 244-247. (511 P444A). v. 272 (1/6). p. 502-504. Includes references. (NAL Call No.: 511 P444AEB).

0480

Foliar carabids of field corn in northeastern North Carolina (Predators of Heliothis zea and Tetranychus urticae).
Lesiewicz, D.S.COBLA. Van Duyn, J.W.; Bradley, J.R. Jr. Washington : Coleopterists Society. The Coleopterists' bulletin. June 1982. v. 36 (2). p. 162-165. ill. Includes references. (NAL Call No.: 421 C674).

0481

Foliar sprays to control fall armyworms in sweet corn, 1979 (Spodoptera frugiperda).
Hofmaster, R.N. Francis, J.A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 72. (NAL Call No.: SB950.A1I49).

0482

Foraging by a predaceous beetle, Coleomegilla maculata (Coleoptera: Coccinellidae), in a polyculture: effects of plant density and diversity (European corn borer).
RIsch, S.J. Wrubel, R.; Andow, D. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1982. v. 11 (4). p. 949-950. 11 ref. (NAL Call No.: QL461.E532).

0483

A generalized phenological forecast model for European corn borer (Ostrinia nubilalis).
Brown, G.C. Lawrence : The Society. Journal of the Kansas Entomological Society. Oct 1982. v. 55 (4). p. 625-638. 20 ref. (NAL Call No.: 420 K13).

0484

Genetic variability in maize for maysin content (Antibiosis, host plant resistance, Heliothis zea).
Widstrom, N.W.CRPSA. Wiseman, B.R.; McMillian, W.W.; Elliger, C.A.; Waiss, A.C. Jr. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 120-122. Includes references. (NAL Call No.: 64.8 C883).

0485

Granular insecticide application for corn rootworm control.
Erbach, D.C.TAAEA. Tollefson, J.J. St. Joseph : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. May/June 1983. v. 26 (3). p. 696-699. ill. Includes references. (NAL Call No.: 290.9 AM32T).

0486

Granular insecticide whorl applications for caterpillar control on sweet corn, 1979.
Gauthier, N.L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 70-71. (NAL Call No.: SB950.A1I49).

0487

Hand inoculator for dispensing lepidopterous larvae (Southwestern corn borer, Diatraea grandiosella).
Davis, F.M. Oswalt, T.G. New Orleans, La., The Region. Advances in agricultural technology. AAT-S - United States, Dept. of Agriculture, Science and Education Administration, Agricultural Research, Southern Region. Oct 1979. Oct 1979. (9). 5 p. ill. 3 ref. (NAL Call No.: aS21.A75U7).

0488

Heliothis mortality from drift-deposited aerosol virus sprays (Heliothis zea, corn earworm, uncharged and electrostatically-charged virus sprays, Missouri).
Smith, D.B. Hostetter, D.L.; Law, S.E. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. July 1984. v. 19 (3). p. 394-407. ill. Includes 10 references. (NAL Call No.: QL461.G4).

0489

Hibernation of the corn earworm in southeastern Georgia by G.W. Barber.
Barber, George W. Washington, D.C. U.S. Dept. of Agriculture 1941. 17 p. -. Includes bibliographical references. (NAL Call No.: Fiche S-69 no.791).

0490

Hibernation of the corn earworm in the central and northeastern parts of the United States by R.A. Blanchard.
Blanchard, R. A. Washington, D.C. U.S. Dept. of Agriculture 1942. 14 p. : map -. Bibliography: p. 13. (NAL Call No.: Fiche S-69 no.838).

0491

The host plants of the European corn borer in New England by Benjamin E. Hodgson.
Ross, H. A. Washington, D.C. U.S. Dept. of Agriculture 1928. 64 p. : ill. -. Bibliography: p. 63. (NAL Call No.: Fiche S-69 no.77).

0492

Host range of southern corn bilbug (Coleoptera: Curculionidae) adults and larvae (Sphenophorus callosus, North Carolina).
Wright, R.J. Van Duyn, J.W.; Bradley, J.R. Jr. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1982. v. 11 (4). p. 954-957. 8 ref. (NAL Call No.: QL461.E532).

0493

Hybridization studies between Ostrinia nubilalis (European corn borer), Ostrinia obumbratalis (smartweed borer), and Ostrinia penitalis (lotus borer) (Lepidoptera: Pyralidae) (Biological control).
Guthrie, W.D. Barry, D.; Huggans, J.L. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. July 1981. v. 54 (3). p. 505-509. Bibliography p. 509. (NAL Call No.: 420 K13).

0494

The impact of integrated pest management practices on New York vegetable crops: some specific cases (Cabbage, sweet corn, onions, yield, costs).
Andaloro, J.T. Kuhr, R.J.; Tette, J.P.; Straub, R.W.; Muka, A.A. (s.l., s.n.). Proceedings of the ... annual meeting - New York State Horticultural Society. 1980. v. 125 (125th). p. 164-168. (NAL Call No.: 81 N484).

0495

Impact of Nosema pyrausta on field populations of Macrocentrus grandii, an introduced parasite of the European corn borer, Ostrinia nubilalis (Connecticut).
Andreadis, T.G. New York, Academic Press. Journal of invertebrate pathology. May 1982. v. 39 (3). p. 298-302. ill. 1 p. ref. (NAL Call No.: 421 J826).

0496

Impact of planting dates of field corn on beetle emergence and damage by the western (Diabrotica virgifera) and the northern (Diabrotica longicornis) corn rootworms in the corn belt.
Musick, G.J. Chiang, H.C.; Luckmann, W.H.; Mayo, Z.B.; Turpin, F.T. College Park, Md., The Society. Annals of the Entomological Society of America.Entomological Society of America. Mar 15, 1980. v. 73 (2). p. 207-215. ill. 9 ref. (NAL Call No.: 420 EN82).

0497

Imported parasites of the European corn borer in America by D.W. Jones.
Jones, D. W. Washington, D.C. U.S. Dept. of Agriculture 1929. 28 p. : ill. -. Includes bibliographical references. (NAL Call No.: Fiche S-69 no.98).

0498

In vivo events associated with entomopathology of Beauveria bassiana for the corn earworm (Heliothis zea) (Fungal pathogen).
Cheung, P.Y.K. Grula, E.A. New York, Academic Press. Journal of invertebrate pathology. May 1982. v. 39 (3). p. 303-313. ill. 2 p. ref. (NAL Call No.: 421 J826).

0499

Increased seasonal losses in field corn to corn earworm (Heliothis zea).
Wiseman, B.R. Widstrom, N.W.; McMillian, W.W. Athens : The Society. Journal of the Georgia Entomological Society. Jan 1984. v. 19 (1). p. 41-43. Includes references. (NAL Call No.: QL461.G4).

0500

The independence of rootworm (Diabrotica virgifera virgifera) damage ratings and the size of maize root systems.
Branson, T.F. Sutter, G.R.; Fisher, J.R. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Oct 1981. v. 54 (4). p. 694-696. 5 ref. (NAL Call No.: 420 K13).

0501

Infestation procedures and heritability of characters used to estimate ear damage caused by second-brood European corn borer (Ostrinia nubilalis, Hubner) on corn.
Grier, S.L. Davis, D.W. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science.American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 3-8. ill. 13 ref. (NAL Call No.: 81 S012).

0502

Influence of air ions on the carbon dioxide output of the European corn borer, Ostrinia nubilalis / by Leo Harold Soderholm.
Soderholm, Leo Harold, 1921. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vii, 174 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 72-5,259).

0503

Influence of constant and changing temperatures on locomotor activity of adult western corn rootworms (Diabrotica virgifera) in the laboratory (Control).
Vanwoerkom, G.J. Turpin, F.T.; Barrett, J.R. Jr. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1980. v. 9 (1). p. 32-34. ill. 6 ref. (NAL Call No.: QL461.E532).

0504

Influence of corn silks on corn earworm (Heliothis zea) feeding response.
Wiseman, B.R. Widstrom, N.W.; and McMillian, W.W. Gainesville, Florida Entomological Society. Florida entomologist. Sept 1981. v. 64 (3). p. 395-399. 8 ref. (NAL Call No.: 420 F662).

0505

Influence of density of the European corn borer, Ostrinia nubilalis, (Lepidoptera: Pyralidae) on the parasitoid Lydella thompsoni (Diptera: Tachinidae).
Sandlan, K.P.EVETB. Jones, R.L.; Chiang, H.C. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 174-177. Includes references. (NAL Call No.: QL461.E532).

0506

Influence of egg source on the efficacy of European corn borer larvae / by James Lee Huggans.
Huggans, James Lee, 1933. 1968. Thesis (Ph.D.)--Iowa State University, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. ii, 113 leaves : ill. ; 22 cm. Bibliography: leaves 94-97. (NAL Call No.: DISS 69-4,243).

0507

Influence of fall armyworm, Spodoptera frugiperda, (Lepidoptera: Noctuidae) larvae and corn plant damage on host finding in Apanteles marginiventris (Hymenoptera: Braconidae).
Loke, W.H.EVETB. Ashley, T.R.; Sailer, R.I. College Park : Entomological Society of America. Environmental entomology. June 1983. v. 12 (3). p. 911-915. Includes references. (NAL Call No.: QL461.E532).

0508

Influence of insecticides on sweet corn quality and their effectiveness in control of corn earworm (Heliothis zea).
Pike, K.S. AR-W. Drake, S.R. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1980. v. 15 (4). p. 523-524. 14 ref. (NAL Call No.: SB1.H6).

0509

Influence of irrigation practices on the spatial distribution of corn rootworm (Coleoptera: Chrysomelidae) eggs in the soil (Diabrotica longicornis barberi, Diabrotica virgifera virgifera).
Weiss, M.J.EVETB. Mayo, Z.B.; Newton, J.P. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1293-1295. Includes references. (NAL Call No.: QL461.E532).

0510

Influence of nutritional characteristics of selected corn genotypes on food utilization by the rice weevil (Coleoptera: Curculionidae) (Sitophilus oryzae).
Gomez, L.A.JEENA. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F.; Smith, C.R. Jr. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 728-732. Includes references. (NAL Call No.: 421 J822).

0511

Influence of planting dates on the efficacy of soil insecticides applied to control larvae of the western and northern corn rootworm (Diabrotica virgifera, Diabrotica longicornis).
Mayo, Z.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 211-212. ill. 5 ref. (NAL Call No.: 421 J822).

0512

Influence of resistant and susceptible corn silks on selected development parameters of corn earworm (Lepidoptera:Noctuidae) larvae (Heliothis zea).
Wiseman, B.R.JEENAI. Widstrom, N.W.; McMillian, W.W. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1288-1290. Includes references. (NAL Call No.: 421 J822).

0513

Influence of southern corn billbug (Coleoptera: Curculionidae) population density and plant growth stage infested on injury to corn (Sphenophorus callosus).
DuRant, J.A.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 892-894. Includes references. (NAL Call No.: 421 J822).

0514

Influence of sweet corn cultivar, planting date, and insecticide on corn earworm damage (Heliothis zea, fenvalerate, thiodicarb, carbaryl).
Story, R.N.GENSA. Sundstrom, F.J.; Riley, E.G. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 350-353. Includes references. (NAL Call No.: QL461.G4).

0515

The influence of timely harvest on maize weevil (Sitophilus zeamais) feeding and fecundity on corn (host plant resistance).
Widstrom, N.W. McMillian, W.W.; Wiseman, B.R. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1981. v. 16 (2). p. 234-239. 12 ref. (NAL Call No.: QL461.G4).

0516

Influences of rainfall and sprinkler irrigation on the residual activity of insecticides applied to corn for control of adult western corn rootworm (Coleoptera:Chrysomelidae) (Diabrotica virgifera virgifera).
Mayo, Z.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 190-193. Includes references. (NAL Call No.: 421 J822).

0517

Influences of temperature and humidity on pre-adult development of the banks grass smite (Acari: Tetranychidae) (Oligonychus pratensis, pest of corn, grain sorghum).
Perring, T.M. Holtzer, T.O.; Toole, J.L.; Norman, J.M.; Myers, G.L. College Park, Md. : Entomological Society of America. Environmental entomology. Apr 1984. v. 13 (2). p. 338-343. ill. Includes references. (NAL Call No.: QL461.E532).

0518

Information and restrictions on insecticide recommendations for field corn, small grains, soybeans and forages / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1981. This publication discusses current pest problems, general pest control, and includes tables on insecticide recommendation restrictions. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 9 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 1).

0519

Inheritance and survival on field corn of European corn borer larvae reared on a meridic diet / by Yogendra Singh Rathore.
Rathore, Yogendra Singh. Ann Arbor, Mich. University Microfilms 1973. Thesis--Iowa State University, 1972. Facsimile produced by microfilm-xerography. ii, 70 leaves. Bibliography: leaves 55-59. (NAL Call No.: DISS 73-3,925).

0520

Inheritance of resistance to the European corn borer (Ostrinia nubilalis) in maize.
Pereverzev, D.S. New York, Consultants Bureau. Soviet genetics. May 1980. v. 16 (5). p. 549-553. 20 ref. (NAL Call No.: QH431.A1G43).

0521

Inheritance of resistance to the first and second broods of the European corn borer in corn (Zea mays, Ostrinia nubilalis).
Sadehdel-Moghaddam, M.PIAIA. Loesch, P.J. Jr.; Hallauer, A.R.; Guthrie, W.D. Cedar Falls : The Academy. The Proceedings of the Iowa Academy of Science. Mar 1983. v. 90 (1). p. 35-38. Includes references. (NAL Call No.: 500 I093).

0522

Inherited sterility induced by gamma radiation in a laboratory population of the Euopean corn borer (Ostinia nubilalis).
Nabors, R.A. Pless, C.D. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 15, 1981. v. 74 (6). p. 701-702. Includes 8 ref. (NAL Call No.: 421 J822).

0523

Insect and nematode control recommendations for asparagus, egg plant, okra, peppers, and sweet corn.
Toscano, N.C. (comp.). CA. Burton, V.; Radewald, J.; Thomason, I.; Toscano, N.; Johnson, D.; McCalley, N.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California.California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (21140). 8 p. ill. (NAL Call No.: S544.3.C2C3).

0524

Insect and nematode control recommendations for field corn and sorghum.
Toscano, N.C. (comp.). CA. Burton, V.E.; Reynolds, H.T.; Radewald, J.D.; Stimmann, M.W. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California.California. University, Berkeley. Cooperative Extension Service. Jan 1980. Jan 1980. (2746). 8 p. ill. (NAL Call No.: S544.3.C2C3).

0525

Insect control : field corn, sorghum and small grain / (Leon Moore ... (et al.) ; Cooperative Extension Service, College of Agriculture, The University of Arizona.
Moore, Leon,; 1913. Tucson, Arizona The Service 1982. Pesticide Applicator Training Collection ~Cover title ~"T8165/3c.". 10 p. ; 28 cm. (NAL Call No.: SB608.G6I5).

0526

Insect control guide for corn and sorghum - Nebraska.
Roselle, R. E. Keith, D. L.; Peters, L. L.; Witkowski, J. R.; Miller, T. P. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1982. Suggests control programs designed to benefit Nebraska farmers. Presents information based on University of Nebraska research results, U.S.D.A. recommendations and label registrations. 13 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: EC 83-1509).

0527

Insect control in no-till corn.
Kuhlman, D.E. Steffey, K.L. Washington, D.C. : The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. Literature review. 1982. (37th). p. 118-147. Includes references. (NAL Call No.: 59.9 AM32).

0528

Insect pest management for corn on the western Great Plains.
Manhattan, Kansas Cooperative Extension Service, Kansas State University 1981. Publication was written by a committee of extension entomologists, supported by a grant from the Extension Service, U.S. Department of Agriculture. 36 p. : ill. (some col.) ; 28 cm. -. (NAL Call No.: 275.29 K13Ex no.612).

0529

Insect (Spodoptera frugiperda, Contarinia sorghicola) resistance evaluations: effect of cultivar position and time of rating (Sorghum, corn).
Wiseman, B.R. AR-SO. Mullinix, B.G.; Martin, P.B. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1980. v. 73 (3). p. 454-457. 8 ref. (NAL Call No.: 421 J822).

0530

Insecticidal control studies of the southwestern corn borer (Diatraea grandiosella).
Daniels, N.E. Chedester, L.D. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. Dec 1980. Dec 1980. (3753). 7 p. 7 ref. (NAL Call No.: 100 T31P).

0531

Insecticide application with sprinkler irrigation systems (Control of the fall armyworm, Spodoptera frugiperda and the corn earworm, Heliothis zea).
Young, J.R. Keisling, T.C.; Stansell, J.R. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1981. v. 24 (1). p. 120-123. ill. 12 ref. (NAL Call No.: 290.9 AM32T).

0532

Insecticide recommendations for conventional and no-tillage field corn--1980.
Raney, H. KY. Lexington, Ky., The Service. ENT - University of Kentucky, Cooperative Extension Service. Oct 1979. Oct 1979. (16). 8 p. (NAL Call No.: 275.29 K415E).

0533

Insecticide recommendations for conventional and no-tillage field corn--1983 (Pest control, Kentucky).
Townsend, L.H. Lexington : The Service. ENT - University of Kentucky, Cooperative Extension Service. Dec 1982. Dec 1982. (16). 7 p. (NAL Call No.: 275.29 K415E).

0534

Integrated control of corn and sorghum arthropods in the U.S. (a brief summary).
Wisemann, B.R. Morrison, W.P. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 424-427. Includes 1 p. ref. (NAL Call No.: SB951.I5 1979).

0535

Irrigated corn as a source of barley yellow dwarf virus and vector in eastern Washington (Zea mays, maize, Macrosiphum avenae, Rhopalosiphum podi).
Brown, J.K.PHYTAJ. Wyatt, S.D.; Hazelwood, D. St. Paul : American Phytopathological Society. Phytopathology. Jan 1984. v. 74 (1). p. 46-49. Includes references. (NAL Call No.: 464.8 P56).

0536

Kairomones and their use for management of entomophagous insects. XV. Identification of several acids in scales of Heliothis zea moths and comments on their possible role as kairomones for Trichogramma pretiosum (Corn earworms, biological control).
Gueldner, R.C. Nordlund, D.A.; Lewis, W.J.; Thean, J.E.; Wilson, D.M. New York : Plenum Press. Journal of chemical ecology. Feb 1984. v. 10 (2). p. 245-251. Includes references. (NAL Call No.: QD415.A1J6).

0537

Laboratory evaluation of granular soil insecticides for control of sugarcane beetle in field corn, 1981 (Eutheola rugiceps).
Riley, T.J. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 151-152. (NAL Call No.: SB950.A1I49).

0538

A larval dispenser-capper machine for mass rearing the southwestern corn borer (Diatraea grandiosella).
Davis, F.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 692-693. ill. 5 ref. (NAL Call No.: 421 J822).

0539

Leaf-feeding damage by European corn borer (Lepidoptera: Pyralidae) larvae reared one generation each year on dent maize and eight generations each year on a meridic diet (for eight years) and then reared continuously on a meridic diet for eight additional years (Ostrinia nubilalis, Zea mays).
Guthrie, W.D. Jarvis, J.L.; Reed, G.L. Lawrence, Kan. : The Society. Journal of the Kansas Entomological Society. Apr 1984. v. 57 (2). p. 352-354. Includes references. (NAL Call No.: 420 K13).

0540

Leafhopper transmission and host range of maize rayado fino virus.
Nault, L.R. AR-NC. Gingery, R.E.; Gordon, D.T. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 709-712. 29 ref. (NAL Call No.: 464.8 P56).

0541

A low cost and labor efficient method for rearing black cutworms (Lepidoptera: Noctuidae) (Agrotis ipsilon, pest of field corn).
Levine, E. Clement, S.L.; Schmidt, R.S. East Lansing, Michigan Entomological Society. The Great Lakes entomologist. Spring 1982. v. 15 (1). p. 47-48. Includes 3 ref. (NAL Call No.: QL461.M5).

0542

Maize-cowpea mixed crop system response to insect control and maize population variation (Zea mays, Vigna unguiculata, Costa Rica).
Juarez, H.A. Burgos, C.F.; Saunders, J.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 216-219. ill. 14 ref. (NAL Call No.: 421 J822).

0543

Maize dwarf mosaic virus: symptomatology and yield reactions of susceptible and resistant sweet corns (Aphid vector, Rhopalosiphum maidis, Myzus persicae, Macrosiphum euphorbiae).
Straub, R.W. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 318-323. ill. Includes references. (NAL Call No.: QL461.E532).

0544

Maize weevil : a search for resistance in converted exotic sorghum kernels / G.L. Teetes ... (et al.).
Teetes, G. L. College Station, Tex. Texas Agricultural Experiment Station 1981. 38 p. ; 28 cm. -. Bibliography: p. 16-18. (NAL Call No.: 100 T31S (1) no.1371).

0545

Maize whorl stage resistance to the first four instars of European corn borer larvae (Ostrinia nubilalis) (Lepidoptera: Pyralidae) (Inbred maize line).
Guthrie, W.D. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Oct 1981. v. 54 (4). p. 737-740. 4 ref. (NAL Call No.: 420 K13).

0546

Management of corn insects.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training Collection. 49 slides : col. + 1 sound cassette (18:06 min.) + 1 script. (NAL Call No.: Slide no.1).

0547

Management of 2nd-generation European corn borer (Ostrinia nubilalis) by controlling moths outside the cornfield.
Showers, W.B. AR-NC. Berry, E.C.; Von Kaster, L. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 88-91. ill. 8 ref. (NAL Call No.: 421 J822).

0548

Managing cutworms in corn.
Foster, David E. Stockdale, H. J. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication identifies black and dingy cutworms, scouting techniques, recommended controls, and mentions briefly glassy and sandhill cutworms. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Pm-887).

0549

Maysin content of silks of nine maize genotypes grown in diverse environments (Flavone, Antibiosis, host plant resistance, corn earworm, Heliothis zea).
Widstrom, N.W. Waiss, A.C. Jr.; McMillian, W.W.; Wiseman, B.R.; Elliger, C.A.; Zuber, M.S.; Straub, R.W.; Brewbaker, J.L.; Darrah,

L.L.; Henson, A.R.; Arnold, J.M.; Overman, J.L. Madison, Crop Science Society of America. Crop science. Sept/Oct 1982. v. 22 (5). p. 953-955. 14 ref. (NAL Call No.: 64.8 C883).

0550

Mechanically removing southwestern corn borer pupae from plastic rearing cups (Diatraea grandiosella).
Davis, F.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 393-395. ill. 5 ref. (NAL Call No.: 421 J822).

0551

Methiocarb and thiram as corn seed repellents for thirteen-lined ground squirrels.
Zurcher, N.J.WLSBA. Johnson, R.J.; Timm, R.M. Bethesda : The Society. Wildlife Society bulletin. Spring 1983. v. 11 (1). p. 38-42. Includes references. (NAL Call No.: SK357.A1W5).

0552

Method for determining age structure of adult populations of the lesser cornstalk borer (Lepidoptera: Pyralidae) (Elasmopalpus lignosellus, peanuts, soybeans, corn, grain sorghum).
Funderburk, J.E. Herzog, D.C.; Lynch, R.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 541-544. ill. Includes references. (NAL Call No.: 421 J822).

0553

Method of controlling the European corn borer with trewiasine (Novel maytansinoid compound discovered in the seed tissue of Trewia nudiflora; characterized by a distinguishing methoxy group on the carbon-15 isotope carbon; Pyrausta nubilalis; citation only).
Freedman, B. Powell, R.G.; Smith, C.R. Jr. Washington, D.C. : The Office. United States patent - United States Patent Office. Feb 16, 1982. Copies of USDA patents are available for a fee from the Commissioner of Patents and Trademarks, U.S. Patents and Trademarks Office, Washington, D.C. 20231. Feb 16, 1982. (4,315,929). 5 p. Includes references. (NAL Call No.: NO CALL NO. (PAT)).

0554

Methods and markers for synchronizing maturation of fifth-stage larvae and pupae of the European corn borer, Ostrinia nubilalis (Lepidoptera: Pyralidae) (Biochemistry).
Gelman, D.B.AESAA. Hayes, D.K. College Park : The Society. Annals of the Entomological Society of America. Sept 1982. v. 75 (5). p. 485-493. ill. 1 p. ref. (NAL Call No.: 420 EN82).

0555

Minimization of insecticide treatment for first-generation European corn borer (Lepidoptera: Pyralidae) control in sweet corn (Ostrinia nubilalis).
Straub, R.W.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 345-348. ill. Includes references. (NAL Call No.: 421 J822).

0556

Mode of infection of the corn earworm (Heliothis zea) by Beauveria bassiana as revealed by scanning electron microscopy.
Pekrul, S. Grula, E.A. New York, Academic Press. Journal of invertebrate pathology. Nov 1979. v. 34 (3). p. 238-247. ill. 19 ref. (NAL Call No.: 421 J826).

0557

A modified emergence trap for quantitative adult corn rootworm studies (Coleoptera: Chrysomelidae) (Diabrotica spp.).
Fisher, J.R. AR-NC. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society.Kansas Entomological Society. Apr 1980. v. 53 (2). p. 363-366. ill. 6 ref. (NAL Call No.: 420 K13).

0558

Monitoring the seasonal appearance and density of the black cutworm (Agrotis ipsilon, attacks seedling corn) with a virgin female trap (in Urbana, Illinois).
Pautler, L. Ruesink, W.G.; Hummel, H.E.; Luckmann, W.H. Urbana, The Survey. Biological notes - Illinois Natural History Survey.Illinois Natural History Survey. July 1979. July 1979. (111). 7 p. ill. 14 ref. (NAL Call No.: 442.9 IL62).

0559

A Nebraska dividend--4-H'ers and IPM (Integrated Pest Management pests of maize).
Andersen, L.W. Deith, D.L. Washington, D.C., The Administration. Extension review - United States Department of Agriculture, Science and Education Administration. Winter 1981. v. 52 (1). p. 16-17. ill. (NAL Call No.: 1 EX892EX).

0560

Nebraska's IPM program in corn and feedlots / Lloyd W. Andersen.
Andersen, Lloyd W. (Lloyd William), 1924. Lincoln Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska 1980. Pesticide Applicator Training Collection ~Cover title ~"Issued November 1980. ~J-2, General. (2) p. ; 28 cm. -. (NAL Call No.: SB608.M2A5).

0561

Neriifolin and 2'-acetylneriifolin: insecticidal and cytotoxic agents of Thevetia thevetiioides seeds (utilizing the European corn borer, Ostrinia nubilalis).
McLaughlin, J.L. AR-NRRC. Freedman, B.; Powell, R.G.; Smith, C.R. Jr. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1980. v. 73 (3). p. 398-402. ill. 24 ref. (NAL Call No.: 421 J822).

0562

A new insect pest of corn in Idaho: the western corn rootworm (Diabrotica virgifera).
Scott, D.R. Homan, H.W.; Bishop, G.W. Moscow, Idaho, The Service. Current information series - Cooperative Extension Service, University of Idaho.Idaho. University. Cooperative Extension Service. May 1980. May 1980. (533). 3 p. ill. (NAL Call No.: 275.29 ID13IDC).

0563

No-till culture of sweet corn in Maryland with reference to insect pests (Pseudaletia unipuncta, Agrotis ipsilon).
Harrison, F.P. Bean, R.A.; Qawiyy, O.J. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1980. v. 73 (3). p. 363-365. ill. 2 ref. (NAL Call No.: 421 J822).

0564

Non-diapause eggs of western corn rootworms (Diabrotica virgifera) in artificial field infestations.
Branson, T.F. Sutter, G.R.; Fisher, J.R. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1981. v. 10 (1). p. 94-96. 9 ref. (NAL Call No.: QL461.E532).

0565

Nutritional requirements for conidial germination and hyphal growth of (target insect is the corn earworm, Heliothis zea) Beauveria brassiana (Biological control).
Smith, R.J. Grula, E.A. New York, Academic Press. Journal of invertebrate pathology. May 1981. v. 37 (3). p. 222-230. ill. 10 ref. (NAL Call No.: 421 J826).

0566

Observations on the biology and control of the dusky sap beetle, Carpophilus lugubris Murray, infesting sweet corn in Illinois / by James Walker Sanford.
Sanford, James Walker, 1930. 1963. Thesis (Ph.D.)--University of Illinois, 1963. Photocopy. Ann Arbor, Mich. : University Microfilms International, 1978. v, 54 leaves ; 21 cm. Bibliography: leaves 53-54. (NAL Call No.: DISS 64-2,958).

0567

Occurrence of four aphid vectors of maize dwarf mosaic virus in southeastern New York.
Straub, R.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 156-158. ill. 6 ref. (NAL Call No.: 421 J822).

0568

One time rescue treatment for cutworm important (Noctuidae, corn).
Santa Fe Springs, Calif., Ned K. Rosenblatt. Aerial applicator. July 1980. v. 18 (6). p. 11. ill. (NAL Call No.: 333.8 AE8).

0569

Orius insidiosus (Say), an important natural enemy of the corn ear worm by G.W. Barber.
Barber, George W. Washington, D.C. U.S. Dept. of Agriculture 1936. 24 p. : ill. -. Bibliography: p. 22-24. (NAL Call No.: Fiche S-69 no.504).

0570

Ovicidal activity of diflubenzuron on European corn borer egg masses (Ostrinia nubilalis).
Faragalla, A.A. Berry, E.C.; Guthrie, W.D. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 1980. v. 73 (4). p. 573-574. 11 ref. (NAL Call No.: 421 J822).

0571

Oviposition by the fall armyworm onto stake flags and the influence of flag color and height (Spodoptera frugiperda in fields of sweet corn, Zea mays, near Athens, Georgia).
Thomson, M.S. All, J.N. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1982. v. 17 (2). p. 206-210. ill. Includes 4 ref. (NAL Call No.: QL461.G4).

0572

Parasites attacking fall armyworm larvae, Spodoptera frugiperda, in late planted field corn.
Ashley, T.R. AR-SO. Mitchell, E.R.; Leppla, N.C.; Grissell, E.E. Gainesville, Florida Entomological Society. Florida entomologist. Mar 1980. v. 63 (1). p. 136-142. ill. 6 ref. (NAL Call No.: 420 F662).

0573

Parasitization by Trichogramma chilonis Ishii (Hymenoptera: Trichogrammatidae) of corn earworm eggs on sweet corn in Hawaii (Heliothis zea, biological control of insect pests).
Vargas, R.I.PHESA. Nishida, T. Honolulu : The Society. Proceedings of the Hawaiian Entomological Society. Sept 15, 1982. v. 24 (1). p. 123-126. Includes references. (NAL Call No.: 420 H312).

0574

Parasitization of fall armyworm larvae on volunteer corn, bermudagrass, and paragrass (Spodoptera frugiperda, Cynondon dactylon, Brachiarie mutica, Florida).
Ashley, T.R.FETMA. Barfield, C.S.; Waddill, V.H.; Mitchell, E.R. Gainesville : Florida Entomological Society. Florida entomologist. June 1983. v. 66 (2). p. 267-271. Includes references. (NAL Call No.: 420 F662).

0575

Penetration and metabolism of thiobisformamidines by southwestern corn borer larvae (Diatraea grandiosella).
Knowles, C.O. Gayen, A.K. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 232-236. ill. 8 ref. (NAL Call No.: 421 J822).

0576

Persistence of Nosema pyrausta and Vairimorpha necatrix measured by microsporidiosis in the European corn borer (Ostrinia nubilalis, maize pest, biological control).
Lewis, L.C. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 670-674. ill. 13 ref. (NAL Call No.: 421 J822).

0577

Pests and their control. Insect management (No-tillage, multicropping systems, corn insects).
Gregory, W.W. Raney, H.G. Lexington : The University, (1980?). No-tillage research: research reports and reviews / R. E. Phillips, G. W. Thomas and R. L. Blevins, editors ; University of Kentucky, College of Agriculture and Agricultural Experiment Station, Lexington. p. 55-68. 29 ref. (NAL Call No.: S604.N64).

0578

Phaeogenes nigridens Wesmael, an important Echneumonid parasite of the pupa of the European corn borer by H.D. Smith.
Smith, H. D. Washington, D.C. U.S. Dept. of Agriculture 1932. 46 p. : ill., map -. Bibliography: p. 44-45. (NAL Call No.: Fiche S-69 no.331).

0579

Pheromone and blacklight trap monitoring of adult European corn borer (Lepidoptera: Pyralidae) in western Massachusetts (Ostrinia nubilalis).
Fletcher-Howell, G.EVETB. Ferro, D.N.; Butkewich, S. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 531-534. Includes references. (NAL Call No.: QL461.E532).

0580

Physicochemical characterization of maize mosaic virus (Zea mays, Peregrinus maidis, planthopper vector).
Falk, B.W.PHYTA. Tsai, J.H. St. Paul : American Phytopathological Society. Phytopathology. Nov 1983. v. 73 (11). p. 1536-1539. ill. Includes references. (NAL Call No.: 464.8 P56).

0581

Pink scavenger caterpillar resistance among selected dent corn hybrids (Pyroderces rileyi, Zea mays, Georgia).
McMillian, W.W. Widstrom, N.W.; Wiseman, B.R. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Jan 1982. v. 17 (1). p. 93-96. ill. Includes 4 ref. (NAL Call No.: QL461.G4).

0582

Plant damage and survival of European corn borer cultures reared for 16 generations on maize plants and for 120 generations on a meridic diet (one generation per year on resistant or susceptible maize plants, eight generations per year on the diet) (Ostrinia nubilalis, Zea mays).
Guthrie, W.D. Jarvis, J.L.; Reed, G.L.; Lodholz, M.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 134-136. 7 ref. (NAL Call No.: 421 J822).

0583

Plant response to stress induced by artificial infestations of western corn rootworm (Diabrotica virgifera).
Branson, T.F. AR-NC. Sutter, G.R.; Fisher, J.R. College Park, Md., Entomological Society of America. Environmental entomology. Apr 15, 1980. v. 9 (2). p. 253-257. ill. 11 ref. (NAL Call No.: QL461.E532).

0584

Population studies of Heliothis spp. (Lepidoptera:Noctuidae) on tomato and corn in southeast Arkansas (Heliothis zea, Heliothis virescens).
Roltsch, W.J. Mayse, M.A. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 292-299. Includes references. (NAL Call No.: QL461.E532).

0585

Possible factors of leaf-feeding resistance in corn to the southwestern corn borer (Dietraea grandiosella).
Hedin, P.A. Davis, F.M.; Williams, W.P.; Salin, M.L. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1984. v. 32 (2). p. 262-267. Includes references. (NAL Call No.: 381 J8223).

0586

Postembryonic development of the reproductive system of male European corn borers, Ostrinia nubilalis (Lepidoptera:Pyralidae).
Jones, J.A. Guthrie, W.D.; Brindley, T.A. College Park, Md. : The Society. Annals of the Entomological Society of America. Mar 1984. v. 77 (2). p. 155-164. ill. Includes references. (NAL Call No.: 420 EN82).

0587

A potential ally for corn producers (Pathogenic protozoan, Nosema pyrausta, Ostrinia nubilalis, biological control).
Pierce, R. Washington, D.C., The Administration. Agricultural research - United States Dept. of Agriculture, Science and Education Administration. July 1981. v. 30 (1). p. 11. ill. (NAL Call No.: 1.98 AG84).

0588

Potential of corn rootworm (Coleoptera: Chrysomelidae) larval counts to estimate larval populations to make control decisions (Diabrotica virgifera, Diabrotica longicornis).
Weiss, M.J. Mayo, A.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 158-161. Includes references. (NAL Call No.: 421 J822).

0589

Potential of resistant corn to reduce corn earworm (Heliothis zea) production.
Wiseman, B.R. AR-AR-SD. McMillian, W.W.; Widstrom, N.W. Reprints.United States. Agricultural Research Service. (NAL Call No.: aS21.A8U5/ARS).

0590

Predicting flight activities of the European corn borer (Ostrinia nubilalis).
Clement, S.L. Rubink, W.L.; Rings, R.W.; Casey, M.A. Wooster, The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Jan/Feb 1981. v. 66 (1). p. 3-4. ill. (NAL Call No.: 100 OH3S (3)).

0591

Preference and utilization of maize endosperm variants by the rice weevil (Sitophilus oryzae).
Gomez, L.A. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 363-367. 14 ref. (NAL Call No.: 421 J822).

0592

Present status of introduced parasitoids of the European corn borer, Ostrinia nubilalis (Hubner), in Iowa.
Lewis, L.C. Ames, Iowa, Iowa State University. Iowa state journal of research. May 1982. v. 56 (4). p. 429-436. map. 2 p. ref. (NAL Call No.: 470 I09).

0593

A procedure for artificially infesting field plots with corn rootworm (Diabrotica spp.) eggs (Pest control, mechanical).
Sutter, G.R. AR-NC. Branson, T.F. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 135-137. ill. 8 ref. (NAL Call No.: 421 J822).

0594

Projecting the beginning of black cutworm (Lepidoptera: Noctuidae) damage to field corn (Agrotis ipsilon).
Troester, S.J.JEENA. Meyer, R.H.; Steffey, K.; Godfrey, G.L.; Bremer, C.D. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 363-367. Includes references. (NAL Call No.: 421 J822).

0595

Protecting corn from corn rootworms (Michigan).
Ruppel, R.F.MUCBA. East Lansing : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. May 1983. May 1983. (736). 4 p. ill. (NAL Call No.: 275.29 M58B).

0596

PTTH and ecdysone release in last instar larvae of the European corn borer, Ostrinia nubilalis (Hubner) (Lepidoptera: Pyralidae).
Gelman, D.B. AR-BARC. Hayes, D.K. Lawrence, Kan., The Society. Journal - New York Entomological Society. Mar 1980. v. 88 (1). p. 48-49. (NAL Call No.: 420 N48J).

0597

Purification and properties of an isolate of maize rayado fino virus from the United States (Transmission by the leafhopper Dalbulus maidis).
Gingery, R.E.PHYTA. Gordon, D.T.; Nault, L.R. St. Paul : American Phytopathological Society. Phytopathology. Oct 1982. v. 72 (10). p. 1313-1318. ill. 36 ref. (NAL Call No.: 464.8 P56).

0598

Quantitative relationship between western corn rootworm (Diabrotica virgifera) population and corn yield.
Chiang, H.C. French, L.K.; Rasmussen, D.E. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 665-666. 9 ref. (NAL Call No.: 421 J822).

0599

Rapid dissipation of carbofuran as a limiting factor in corn rootworm (Coleoptera: Chrysomelidae) control in fields with histories of continuous carbofuran use (Diabrotica longicornis, Diabrotica virfigera, Illinois).
Felsot, A.S.JEENA. Wilson, J.G.; Kuhlman, D.E.; Steffey, K.L. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1098-1103. ill. 2 p. ref. (NAL Call No.: 421 J822).

0600

The reaction of sweet corn hybrids to maize dwarf mosaic virus strains and maize chlorotic dwarf virus (transmitted principally by Graminella nigrifrons, resistance trials, comparisons, Ohio).
Knoke, J.K. Anderson, R.J.; Findley, W.R.; Louie, R.; Abt, J.J.; Gordon, D.T. Wooster : The Center. Research bulletin - Ohio Agricultural Research and Development Center. Nov 1981. Nov 1981. (1135). 22 p. 28 ref. (NAL Call No.: 100 OH3S (2)).

0601

Rearing the maize weevil (Sitophilus zeamais) on maize genotypes when aflatoxin-producing Aspergillus flavus and Aspergillus parasiticus isolates were present (Southeastern United States).
McMillian, W.W. Widstrom, N.W.; Wilson, D.M. College Park, Md., Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 760-762. 12 ref. (NAL Call No.: QL461.E532).

0602

Rearing Trichogramma nubilale (Hymenoptera: Trichogrammatidae) on ultraviolet-irradiated eggs of the European corn borer (Lepidoptera: Pyralidae) (Ostrinia nubilalis).
Goldstein, L.F.JEENA. Burbutis, P.P.; Ward, D.G. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 969-971. ill. Includes references. (NAL Call No.: 421 J822).

0603

Recurrent selection for resistance in corn to tunneling by the second-brood southwestern corn borer (Diatraea grandiosella, United States).
Williams, W.P.CRPSA. Davis, F.M. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 169-170. Includes references. (NAL Call No.: 64.8 C883).

0604

Red imported fire ants: detection of feeding on corn, okra and soybeans with radiosotopes (Solenopsis invicta).
Smittle, B.J.GENSA. Adams, C.T.; Lofgren, C.S. Athens : The Society. Journal of the Georgia Entomological Society. Jan 1983. v. 18 (1). p. 78-82. Includes references. (NAL Call No.: QL461.G4).

0605

Registration of Mp496 inbred of maize (Breeding for pest resistance, Diatraea grandiosella).
Scott, G.E. Davis, F.M. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 353. 1 ref. (NAL Call No.: 64.8 C883).

0606

Registration of Mp703 germplasm line of maize.
Williams, W.P. AR-SO. Davis, F.M. Madison, Wis., Crop Science Society of America. Crop science. May/June 1980. v. 20 (3). p. 418. (NAL Call No.: 64.8 C883).

0607

Registration of NDSAB and NDSF maize germplasm (Zea mays).
Cross, H.Z.CRPSAY. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1227. Includes references. (NAL Call No.: 64.8 C883).

0608

Regrowth of corn seedlings after injury at different growth stages by black cutworm, Agrotis ipsilon (Lepidoptera: Noctuidae) larvae.
Levine, E.JEENA. Clement, S.L.; Rubink, W.L.; McCartney, D.A. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 389-391. Includes references. (NAL Call No.: 421 J822).

0609

Reintroduction and establishment of Lydella thompsoni and notes on other parasites of the European corn borer (Ostrinia nubilalis) in Delaware (Biological control).
Burbutis, P.P. Erwin, N.; Ertle, L.R. College Park, Md., Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 779-781. 6 ref. (NAL Call No.: QL461.E532).

0610

Relationship between some characteristics of the corn kernel pericarp and resistance to the rice weevil (Coleoptera: Curculionidae) (Sitophilus oryzae).
Gomez, L.A.JEENA. Rodriguez, J.G.; Poneleit, C.G.; Blake, D.F. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 797-800. Includes references. (NAL Call No.: 421 J822).

0611

The relationship between the electroantennogram and simultaneously recorded single sensillum response of the european corn borer, Ostrinia nubilalis.
Nagai, T. New York : Alan R. Liss, Inc. Archives of insect biochemistry and physiology. 1983. v. 1 (1). p. 85-91. ill. Includes references. (NAL Call No.: QL495.A7).

0612

Relationship of Neozygites floridana (Entomophthorales: Entomophthoraceae) to twospotted spider mite (Acari: Tetranychidae) populations in field corn (Tetranychus urticae, natural control, North Carolina).
Brandenburg, R.L. Kennedy, G.G. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 691-694. 10 ref. (NAL Call No.: 421 J822).

0613

The relationship of oogenesis, ovarian development and oviposition to corn rootworm control / by Donald Eugene Short.
Short, Donald Eugene, 1935. 1970. Thesis (Ph.D.)--University of Nebraska, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. ix, 73 leaves ; 21 cm. Bibliography: leaves 71-73. (NAL Call No.: DISS 71-2,926).

0614

Relative susceptibility of a summer-planted dent and tropical flint corn variety to whorl stage damage by the fall armyworm (Lepidoptera: Noctuidae) (Spodoptera frugiperda, Georgia).
Gross, H.R. Jr.JEENA. Young, J.R.; Wiseman, B.R. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 1153-1156. 6 ref. (NAL Call No.: 421 J822).

0615

Requirement for sequential enzymatic activities for penetration of the integument of the corn earworm (Heliothis zea) (by the fungus Beauveria bassiana).
Smith, R.J. Pekrul, S.; Grula, E.A. New York, Academic Press. Journal of invertebrate pathology. Nov 1981. v. 38 (3). p. 335-344. ill. 21 ref. (NAL Call No.: 421 J826).

0616

Residual effectiveness of postemergence band applications of insecticides against the southern corn billbug (Sphenophorus callosus) on corn (South Carolina).
DuRant, J.A. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Oct 1981. v. 16 (4). p. 531-535. 6 ref. (NAL Call No.: QL461.G4).

0617

Resistance to corn earworm larvae in corn silks as related to larval growth suppression and recovery (Heliothis zea).
Wiseman, B.R. Widstrom, N.W.; Waiss, A.C. Jr. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1984. v. 1 (1). p. 53-57. Includes references. (NAL Call No.: SB599.J69).

0618

Resistance to larvae of Diabrotica virgifera virgifera in three experimental maize hybrids (Zea mays).
Branson, T.F.EVETB. Welch, V.A.; Sutter, G.R.; Fisher, J.R. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1509-1512. Includes references. (NAL Call No.: QL461.E532).

0619

Resistant and susceptible corn genotypes: response to varying levels of southwestern corn borer infestation at anthesis (Diatrea grandiosella, Zea mays).
Williams, W.P.SENTD. Davis, F.M. College Station : Southwestern Entomological Society. The Southwestern entomologist. Sept 1983. v. 8 (3). p. 145-149. Includes references. (NAL Call No.: QL461.S65).

0620

Response of Diabrotica virgifera virgifera, Diabrotica virgifera zeae, and Diabrotica porracea to stereoisomers of 8-methyl-2-decyl propanoate (Western corn rootworm, Mexican corn rootworm, sex pheromone, stereospecificity).
Guss, P.L. Sonnet, P.E.; Carney, R.L.; Branson, T.F.; Tumlinson, J.H. New York, N.Y. : Plenum Press. Journal of chemical ecology. July 1984. v. 10 (7). p. 1123-1131. Includes references. (NAL Call No.: QD415.A1J6).

0621

Response of sweet corn hybrids to corn earworm, Heliothis zea (boddie) damage (Varieties, trials in Louisiana, resistance).
Yadav, R.P. Baton Rouge : The University. Research bulletin - Southern University. Apr 1980. v. 2 (2). p. 67-75. 6 ref. (NAL Call No.: S539.5.R42).

0622

Root characteristics of 44 maize inbreds evaluated in four environments (Corn rootworm tolerance, Diabrotica).
Jenison, J.R. Shank, D.B.; Penny, L.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 233-237. 18 ref. (NAL Call No.: 64.8 C883).

0623

Rootworm-resistant corn / Joseph L. Fennell.
Fennell, Joseph L. (s.l. s.n. n.d.). Original copy included; p. 156-157. 2 leaves. (NAL Call No.: TRANSL 25256).

0624

Rubidium as a marker and simulated inoculum for the black-faced leafhopper, Graminella nigrifrons, the primary vector of maize chlorotic dwarf virus of corn.
Alverson, D.R. All, J.N.; Bush, P.B. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1980. v. 9 (1). p. 29-31. ill. 16 ref. (NAL Call No.: QL461.E532).

0625

Rubidium marking technique for the European corn borer (Lepidoptera: Pyralidae) in corn (Ostrinia nubilalis).
Legg, D.E. Chiang, H.C. College Park, Md. : Entomological Society of America. Environmental entomology. Apr 1984. v. 13 (2). p. 579-583. Includes references. (NAL Call No.: QL461.E532).

0626

Sampling plan for population estimation of northern and western corn rootworm adults in Iowa cornfields (Diabrotica virgifera, Diabrotica longicornis).
Steffey, K.L. Tollefson, J.J.; Hinz, P.N. College Park, Md., Entomological Society of America. Environmental entomology. Apr 15, 1982. v. 11 (2). p. 287-291. Includes ref. (NAL Call No.: QL461.E532).

0627

Sampling scheme for estimating populations of corn rootworm larvae (Diabrotica spp. Midwest, USA).
Bergman, M.K. Tollefson, J.J.; Hinz, P.N. College Park, Md., Entomological Society of America. Environmental entomology. Dec 1981. v. 10 (6). p. 986-990. ill. Includes 7 ref. (NAL Call No.: QL461.E532).

0628

Sampling southwestern corn borer populations in postharvest corn (Diatraea grandiosella).
Poston, F.L.EVETB. Whitworth, R.J.; Welch, S.M.; Loera, J. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 33-36. Includes references. (NAL Call No.: QL461.E532).

0629

Scientists trying to predict, control black cutworms (Pests of field maize).
Fort Atkinson, Wis., W. D. Hoard & Sons. Hoard's dairyman. Mar 10, 1980. v. 125 (5). p. 364-365. (NAL Call No.: 44.8 H65).

0630

Scouting, quarantine and control for the European corn borer, 1917-1926 by L.H. Worthley and D.J. Caffrey.
Worthley, L. H. (Leon Howard). Washington, D.C. U.S. Dept. of Agriculture 1927. 143 p. : ill., maps -. Bibliography: p. 142. (NAL Call No.: Fiche S-69 no.53).

0631

Seasonal abundance of cereal leaf beetles (Coleoptera:Chrysomelidae) in Virginia small grains and corn (Oulema melanopus).
McPherson, R.M.JEENAI. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1269-1272. Includes references. (NAL Call No.: 421 J822).

0632

Seasonal occurrence of southwestern corn borer adults in the Texas high plains (Diatraea grandiosella).
Knutson, A.E.SENTD. Cronholm, G.B.; Morrison, W.P. College Station : Southwestern Entomological Society. The Southwestern entomologist. Sept 1982. v. 7 (3). p. 159-165. ill. 12 ref. (NAL Call No.: QL461.S65).

0633

Seasonal phenology and biology of the southern corn billbug in eastern North Carolina (Spenophorus callosus).
Wright, R.J.GENSA. Van Duyn, J.W.; Bradley, J.R. Jr. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 376-385. Includes references. (NAL Call No.: QL461.G4).

0634

Seasonal population fluctuations of Filipjevimermis leipsandra (potential biological control agent) and infectivity of juveniles on the banded cucumber beetle (Diabrotica balteata, pest of sweetpotato and corn).
Creighton, C.S. AR-SO. Fassuliotis, G. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 296-300. ill. 3 ref. (NAL Call No.: 421 J822).

0635

Second-brood southwestern corn borer infestation levels and their effect on corn (Zea mays, Diatraea grandiosella, Mississippi).
Williams, W.P.AGJOA. Davis, F.M.; Scott, G.E. Madison : American Society of Agronomy. Agronomy journal. Jan/Feb 1983. v. 75 (1). p. 132-134. ill. 4 ref. (NAL Call No.: 4 AM34P).

0636

Second generation European corn borer (Ostrinia nubilalis) damage relationships in sweet corn.
Andrew, R.H. Mosely, P.R. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1980. v. 20 (5). p. 559-562. 12 ref. (NAL Call No.: 64.8 C883).

0637

A seed corn maggot trap for use in row crops (Hylemya platura).
Ghidiu, G.M. Berry, E.C. Ames, Iowa, Iowa State University. Iowa state journal of research. May 1982. v. 56 (4). p. 425-427. ill. 7 ref. (NAL Call No.: 470 I09).

0638

Seedcorn beetles and seedcorn maggots / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the distribution, appearance, life cycle, damage done by, scouting methods, and control methods of seedcorn beetles and seedcorn maggots. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 9).

0639

Seedcorn maggot (Hylema platura, pest of beans, seed potatoes, corn, peas, and other crops).
Retan, A.H.WUEXA. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Nov 1983. Nov 1983. (1225). 2 p. Includes references. (NAL Call No.: 275.29 W27P).

0640

Selection for corn rootworm tolerance in maize / by John Charles Owens.
Owens, John Charles, 1944. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. iii, 87 leaves ; 21 cm. Bibliography: leaves 83-86. (NAL Call No.: DISS 71-21,964).

0641

Selection for resistance to the second generation of the European corn borer (Lepidoptera: Pyralidae) in maize (Ostrinia nubilalis, Zea mays).
Barry, D.JEENA. Zuber, M.S.; Antonio, A.Q.; Darrah, L.L. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 392-394. Includes references. (NAL Call No.: 421 J822).

0642

Selection of a polyethylene tubing formulation of (Z)-9-tetradecen-1-ol formate and its use in disrupting pheromone communication in Heliothis zea (Boddie) (Maize pests).
Cross, J.H. AR-SO. Mitchell, E.R.; Tumlinson, J.H.; Burnett, D.E. New York, Plenum Press. Journal of chemical ecology. July 1980. v. 6 (4). p. 771-779. ill. 8 ref. (NAL Call No.: QD415.A1J6).

0643

Sequential sampling plans for adult corn rootworms (Coleoptera: Chrysomelidae) (Diabrotica longicornis).
Foster, R.E.JEENA. Tollefson, J.J.; Steffey, K.L. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 791-793. Includes references. (NAL Call No.: 421 J822).

0644

Serial passage of Heliothis zea singly embedded nuclear polyhedrosis virus in a homologous cell line (Corn earworm, biological control).
Yamada, K.I. Sherman, K.E.; Maramorosch, K. New York, Academic Press. Journal of invertebrate pathology. Mar 1982. v. 39 (2). p. 185-191. ill. 2 p. ref. (NAL Call No.: 421 J826).

0645

Serological determination of carabid (Coleoptera: Adephaga) predation of corn earworm (Lepidoptera: Noctuidae) in field corn (Heliothis zea).
Lesiewicz, D.S.EVETB. Lesiewicz, J.L.; Bradley, J.R. Jr.; Van Duyn, J.W. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1183-1186. ill. Includes references. (NAL Call No.: QL461.E532).

0646

Sex attractant for corn earworm moths (Combination of (Z)-11-hexadecenal and (Z)-9-hexadecenal; citation only).
Klun, J.A. Plimmer, J.R.; Sparks, A.N.; Leonhardt, B.B. Washington, D.C., The Office. United States patent - United States Patent Office. Aug 5, 1980. Copies of USDA patents are available for a fee from the Commissioner of Patents and Trademarks, U.S. Patents and Trademarks Office, Washington, D.C. 20231. Aug 5, 1980. (4,216,202). 4 p. 1 ref. (NAL Call No.: No Call No. (PAT)).

0647

Sex pheromone chemistry of female corn earworm moth, Heliothis zea.
Klun, J.A. AR-BARC-AR-SO. Plimmer, J.R.; Bierl-Leonhardt, B.A.; Sparks, A.N.; Primiani, M.; Chapman, O.L.; Lee, G.H.; Lepone, G. New York, Plenum Press. Journal of chemical ecology. Jan 1980. v. 6 (1). p. 165-175. ill. 13 ref. (NAL Call No.: QD415.A1J6).

0648

Sex pheromone of the Asian corn borer moth (Ostrinia furnacalis, Ostrinia nubilalis).
Klun, J.A. AR-BARC. Bierl-Leonhardt, B.A.; Schwarz, M.; Litsinger, J.A.; Barrion, A.T.; Chiang, H.C.; Jiang, Z. New York, Pergamon Press. Life sciences. Oct 27, 1980. v. 27 (17). p. 1603-1606. 16 ref. (NAL Call No.: 442.8 L62).

0649

Simple technique for storing diapausing southwestern corn borers (Diatraea grandiosella).
Davis, F.M.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1191-1192. Includes references. (NAL Call No.: 421 J822).

0650

Simplified soy pulp-wheat germ diets for rearing the southwestern corn borer, Diatraea grandiosella Dyar.
Yin, C.M. Peng, W.K. College Park, Md., The Society. Annals of the Entomological Society of America. July 1981. v. 74 (4). p. 425-427. 7 ref. (NAL Call No.: 420 EN82).

0651

Simulated intrafield dispersal of maize chlorotic dwarf virus by Graminella nigrifrons (leafhopper vector) with a rubidium marker.
Alverson, D.R. USDA. All, J.N.; Kuhn, C.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 734-737. ill. 16 ref. (NAL Call No.: 464.8 P56).

0652

Simulating banks grass mite (Acari: Tetranychidae) population dynamics as a subsystem of a crop canopy-microenvironment model (Oligonychus pratensis, pest in corn, sorghum, wheat).
Toole, J.L. Norman, J.M.; Holtzer, T.O.; Perring, T.M. College Park, Md. : Entomological Society of America. Environmental entomology. Apr 1984. v. 13 (2). p. 329-337. Includes references. (NAL Call No.: QL461.E532).

0653

Soil moisture and texture effects of survival of immature southern corn rootworms, Diabrotica undecimpunctata howardi Barber (Coleoptera:Chrysomelidae) (Pest of peanuts in southeastern Virginia).
Lummus, P.F.EVETB. Smith, J.C.; Powell, N.L. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1529-1531. Includes references. (NAL Call No.: QL461.E532).

0654

Soil temperature environment of overwintering western corn rootworm (Diabrotica virgifera virgifera) eggs.
Gustin, R.D. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1981. v. 10 (4). p. 483-487. 15 ref. (NAL Call No.: QL461.E532).

0655

Some observations on ecology of the stalk borer (Papaipema nebris (Gn.):Noctuidae) in no-tillage corn agroecosystems (Ohio).
Stinner, B.R. McCartney, D.A.; Rubink, W.L. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. Apr 1984. v. 19 (2). p. 229-234. Includes references. (NAL Call No.: QL461.G4).

0656

Sorghum stunt mosaic (Insect vectors, Graminella sonora, maize).
Mayhew, D.E. Flock, R.A. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 84-86. ill. 7 ref. (NAL Call No.: 1.9 P69P).

0657

Southern corn billbug (Coleoptera:Curculionidae) and plant-parasitic nematodes: influence of no-tillage, coulter-in-row-chiseling, and insecticides on severity of damage to corn (Sphenophorus callosus, Hoplolaimus columbus, Criconemelia spp.).
All, J.N. Hussey, R.S.; Cummins, D.G. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 178-182. ill. Includes references. (NAL Call No.: 421 J822).

0658

Southern corn billbug (Sphenophorus callosus): effect of plant height and billbug population density on injury to corn (North Carolina, South Carolina).
DuRant, J.A. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Oct 1981. v. 16 (4). p. 475-478. 5 ref. (NAL Call No.: QL461.G4).

0659

The southwestern corn borer by E.G. Davis ... (et al.).
Davis, E. G. Washington, D.C. U.S. Dept. of Agriculture 1933. 62 p. : ill., map -. Bibliography: p. 61. (NAL Call No.: Fiche S-69 no.388072).

0660

Southwestern corn borer (Diatraea grandiosella): comparison of techniques for infesting corn for plant resistance studies.
Davis, F.M. Williams, W.P. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 704-706. ill. 6 ref. (NAL Call No.: 421 J822).

0661

Southwestern corn borer (Diatraea grandiosella) control.
Daniels, N.E. TX. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. Feb 1980. Feb 1980. (3648). 5 p. 10 ref. (NAL Call No.: 100 T31P).

0662

Southwestern corn borer (Diatraea grandiosella) populations as affected by weather and tillage.
Daniels, N.E. TX. Chedester, L.D. College Station, Tex., The Station. MP - Texas, Agricultural Experiment Station. July 1980. July 1980. (1456). 5 p. 12 ref. (NAL Call No.: 100 T31M).

0663

Southwestern corn borer growth on callus initiated from corn genotypes with different levels of resistance to plant damage (Diatrea grandiosella, larvae on Zea mays).
Williams, W.P.CRPSAY. Buckley, P.M.; Taylor, V.N. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1210-1212. Includes references. (NAL Call No.: 64.8 C883).

0664

Southwestern corn borer: influence of planting dates and times of infestation on damage to corn, pearlmillet, and sorghum (Diatraea grandiosella, Oklahoma).
Starks, K.J. Burton, R.L.; Wilson, R.L.; Davis, F.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 57-60. 7 ref. (NAL Call No.: 421 J822).

0665

Southwestern corn borer: oviposition cage for mass production (Diatraea grandiosella).
Davis, F.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 61-63. ill. 4 ref. (NAL Call No.: 421 J822).

0666

Spatial dispersion of corn rootworm larvae (Coleoptera:Chrysomelidae) in Iowa cornfields (Diabrotica barberi, Diabrotica virgifera).
Bergman, M.K.EVETB. Tollefson, J.J.; Hinz, P.N. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1443-1446. ill. Includes references. (NAL Call No.: QL461.E532).

0667

Spatial dispersion patterns of northern and western corn rootworm adults in Iowa-cornfields (Diabrotica virgifera, Diabrotica longicornis).
Steffey, K.L. Tollefson, J.J. College Park, Md., Entomological Society of America. Environmental entomology. Apr 15, 1982. v. 11 (2). p. 283-286. ill. Includes ref. (NAL Call No.: QL461.E532).

0668

Spatial distribution of the migrants of the corn delphacid, Peregrinus maidis (Ashmead) (Homoptera:Delphacidae) in cornfields (Maize mosaic virus, Hawaii).
Takara, J.PHESA. Nishida, T. Honolulu : The Society. Proceedings of the Hawaiian Entomological Society. Oct 15, 1983. v. 24 (2/3). p. 327-333. ill. Includes references. (NAL Call No.: 420 H312).

0669

Spectral response of the adult western corn rootworm (Coleoptera: Chrysomelidae) to selected wavelength (Diabrotica virgifera).
Ball, H.J.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 932-933. Includes references. (NAL Call No.: 421 J822).

0670

Spider mites in corn.
Hagen, Arthur F. 1981. This publication discusses the injury that spider mites cause to corn and the factors contributing to this. Also the control of the spider mite is discussed. Document available from: Dept. of Ag. Communications, Univ. of Nebraska, Lincoln, NB 68583. 1 sheet. (NAL Call No.: G75-50).

0671

Spodoptera frugiperda: Factors affecting pheromone trap catches in corn and peanuts.
Tingle, F.C. AR-SO. Mitchell, E.R. College Park, Md., Entomological Society of America. Environmental entomology. Dec 1979. v. 8 (6). p. 989-992. ill. 7 ref. (NAL Call No.: QL461.E532).

0672

Spray the grass, not the corn (Corn field borders are reservoir for European corn borer).
Pierce, R. Washington, D.C., The Administration. Agricultural research - U.S. Department of Agriculture, Science and Education Administration. June 1982. v. 30 (12). p. 13. (NAL Call No.: 1.98 AG84).

0673

Spread of local electroantennogram response of the European corn borer, Ostrinia nubilalis (Sex pheromone).
Nagai, T.PCBPB. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 291-298. ill. Includes references. (NAL Call No.: SB951.P49).

0674

Stage-specific mortality of Coleomegilla maculata lengi Timberlake on corn in southern Ontario (Canada, Predator of the corn leaf aphid, Rhopalosiphum maidis).
Wright, E.J. Laing, J.E. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1982. v. 11 (1). p. 32-37. ill. Includes 14 ref. (NAL Call No.: QL461.E532).

0675

Strains of field corn resistant to the survival of the European corn borer by L.H. Patch, J.R. Holbert, and R.T. Everly.
Patch, L. H. Washington, D.C. U.S. Dept. of Agriculture 1942. 22 p. -. Includes bibliographical references. (NAL Call No.: Fiche S-69 no.823).

0676

Studies of Exeristes roborator (Fab.), a parasite of the European corn borer, in the Lake Erie area by W.A. Baker and L.G. Jones.
Baker, W. A. (William Alfonso). Washington, D.C. U.S. Dept. of Agriculture 1934. 27 p., 2 leaves of plates : ill. -. Bibliography: p. 25-26. (NAL Call No.: Fiche S-69 no.460).

0677

Studying microbial and insect enemies of the European corn borer (Ostrinia nubilalis) in Connecticut (Biological control).
Andreadis, T.G. New Haven, The Station. Frontiers of plant science - Connecticut Agricultural Experiment Station. Fall 1980. Fall 1980. p. 2-4. ill. (NAL Call No.: 100 F92).

0678

Subfreezing temperatures lethal to the European corn borer infesting green ears of sweet corn by C.H. Batchelder and D.D. Questal.
Batchelder, C. H. Washington, D.C. U.S. Dept. of Agriculture 1933. 14 p. : ill. -. Includes bibliographical references. (NAL Call No.: Fiche S-69 no.395).

0679

Suppression of mating and oviposition by fall armyworm and mating by corn earworm in corn, using the air permeation technique (Spodoptera frugiperda, Heliothis zea, Florida).
Mitchell, E.R. McLaughlin, J.R. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 270-274. ill. 13 ref. (NAL Call No.: 421 J822).

0680

Survey and phenology of cutworms (Lepidoptera: Noctuidae) infesting field corn in the midwest (Agrotis ipsilon).
Story, R.N. Keaster, A.J.; Showers, W.B.; Shaw, J.T. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 491-494. Includes references. (NAL Call No.: 421 J822).

0681

Susceptibility of chinch bugs to selected insecticides--laboratory study (Hemiptera: Lygaeidae) (Blissus leucopterus leucopterus, maize and sorghum pest, Kansas, Nebraska).
Peters, L.L. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1982. v. 55 (2). p. 317-322. ill. Includes 6 ref. (NAL Call No.: 420 K13).

0682

Sweet corn budworm damage as affected by tillage (Spodoptera frugiperda, Pseudaletia unipuncta, Heliothis zea).
Clough, G.H. Halsey, L.H. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 251-253. 14 ref. (NAL Call No.: 81 F66).

0683

Synergism studies with binary mixtures of permethrin plus methyl parathion, chlorpyrifos, and malathion on European corn borer larvae (Ostrinia nubilalis).
Koziol, F. Witkowski, J.F. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 28-30. 10 ref. (NAL Call No.: 421 J822).

0684

System for extracting corn rootworm (Diabrotica) larvae from soil samples.
Fisher, J.R. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1981. v. 74 (1). p. 103-105. ill. 9 ref. (NAL Call No.: 421 J822).

0685

Temperature-dependent model for postdiapause development and spring emergence of the European corn borer, Ostrinia nubilalis (Hubner) (Lepidoptera: Pyralidae), in North Carolina.
Anderson, T.E.EVETB. Kennedy, G.G.; Stinner, R.E. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1307-1311. Includes references. (NAL Call No.: QL461.E532).

0686

Temperature-dependent models of European corn borer (Lepidoptera: Pyralidae) development in North Carolina (Ostrinia nubilalis).
Anderson, T.E.EVETB. Kennedy, G.G.; Stinner, R.E. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1145-1150. Includes references. (NAL Call No.: QL461.E532).

0687

Temperature requirements for development of the stalk borer, Papaipema nebris (Lepidoptera:Noctuidae) (Insect pest of corn, Zea mays).
Levine, E.AESAA. College Park : The Society. Annals of the Entomological Society of America. Sept 1983. v. 76 (5). p. 892-895. Includes references. (NAL Call No.: 420 EN82).

0688

Tests of oil sprays for suppression of aphid-borne maize dwarf mosaic virus in Ohio sweet corn (Schizaphis graminum).
Szatmari-Goodman, G. Nault, L.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 144-149. ill. Includes references. (NAL Call No.: 421 J822).

0689

Topping corn and delaying harvest for field drying (Diatrea grandiosella, grain moisture, yield).
Allen, R.R.TAAEA. Musick, J.T.; Hollingsworth, L.D. St. Joseph : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1982. v. 25 (6). p. 1529-1532. ill. Includes references. (NAL Call No.: 290.9 AM32T).

0690

Toxic components on the larval surface of the corn earworm (Heliothis zea) and their effects on germination and growth of Beauveria bassiana (Microbial control).
Smith, R.J. Grula, E.A. New York, Academic Press. Journal of invertebrate pathology. Jan 1982. v. 39 (1). p. 15-22. ill. Includes 9 ref. (NAL Call No.: 421 J826).

0691

Toxic effects of spore/crystal ratios of Bacillus thuringiensis on European corn borer larvae (Ostrinia nubilalis, biological control).
Mohd-Salleh, M.B. Lewis, L.C. New York, Academic Press. Journal of invertebrate pathology. May 1982. v. 39 (3). p. 290-297. ill. 2 p. ref. (NAL Call No.: 421 J826).

0692

Toxicity and deterrency of sesquiterpene lactones and chromenes to the corn earworm (Lepidoptera: Noctuidae) (Heliothis zea).
Wisdom, C.S.JEENA. Smiley, J.T.; Rodriguez, E. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 993-998. ill. Includes references. (NAL Call No.: 421 J822).

0693

Toxicity of Bacillus thuringiensis Spo-Cr+ mutants for the European corn borer Ostrinia nubilalis (Biological control).
Johnson, D.E. Freedman, B. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Aug 1981. v. 42 (2). p. 385-387. 14 ref. (NAL Call No.: 448.3 AP5).

0694

Toxicity of dietary rose bengal to larvae of the cabbage looper (Trichoplusia ni) corn earworm (Heliothis zea) and pickleworm (Diaphania nitidalis).
Creighton, C.S. AR-SC. McFadden, T.L.; Schalk, J.M. Athens, Ga., The Society. Journal - Georgia Entomological Society.Georgia Entomological Society. Jan 1980. v. 15 (1). p. 66-68. ill. 7 ref. (NAL Call No.: QL461.G4).

0695

Transmission of corn genotype attractiveness to ovipositing European corn borer moths to hybrid combinations (Ostrinia nubilalis).
Everly, R.T.PIACA. Indianapolis : The Academy. Proceedings of the Indiana Academy of Science. 1981. v. 91. p. 279-291. Includes references. (NAL Call No.: 500 IN2).

0696

Transmission of maize weevils (Sitophilus zeamais) of Aspergillus flavus and its survival on selected corn hybrids (Insect vectors).
McMillian, W.W. Widstrom, N.W. Wilson, D.M.; Hill, R.A. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1980. v. 73 (6). p. 793-794. 6 ref. (NAL Call No.: 421 J822).

0697

Transmission of the Mississippi corn stunt agent by three cicadellid vectors / by Mario Vitelli.
Vitelli, Mario, 1933. 1971. Thesis (Ph.D.)--Mississippi State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. viii, 102 leaves ; 21 cm. Bibliography: leaves (99)-102. (NAL Call No.: DISS 72-4,372).

0698

Transmission of the potato blackleg pathogen (Erwinia carotovora subsp. atroseptica) by European corn borer larvae (Ostinia nubilalis, biological control, North Carolina).
Anderson, T.E. Echandi, E.; Kennedy, G.G. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 630-633. 19 ref. (NAL Call No.: 421 J822).

0699

Trapping of aphids in bean mono-crops and associations with maize.
Stoetzer, H.A.I. Omunyin, M.E. Geneva, N.Y. : Bean Improvement Cooperative. Annual report of the Bean Improvement Cooperative. 1984. v. 27. p. 97-99. Includes references. (NAL Call No.: SB327.A1B5).

0700

Trichogramma nubilale (Hymenoptera:Trichogrammatidae) field releases in corn and a hypothetical model for control of European corn borer (Lepidoptera:Pyralidae) (Ostrinia nubilalis).
Kanour, W.W. Jr. Burbutis, P.P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 103-107. Includes references. (NAL Call No.: 421 J822).

0701

Trichogramma nubilale (Hymenoptera:Trichogrammatidae): progeny distribution and superparasitism in European corn borer (Lepidoptera:Pyralidae) (Ostrinia nubilalis).
Burbutis, P.P.EVETB. Morse, B.W.; Morris, D.; Benzon, G. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1587-1589. Includes references. (NAL Call No.: QL461.E532).

0702

Unraveling mysteries of the corn rootworm.
Hardin, B. Washington, D.C., The Service. Agricultural research - United States Agricultural Research Service. Mar 1982. v. 30 (9). p. 12-13. ill. (NAL Call No.: 1.98 AG84).

0703

Use of the DD 136 strain of Neoaplectana carpocapsae Weiser (Rhabditida: Steinernematidae) for control of corn earworm (Lepidoptera: Noctuidae).
Bong, C.F.J.JEENA. Sikorowski, P.P. College Park : Entomological Society of America. Neoaplectana carpocapsae, DD 136 strain used in field trials to control corn earworm, Heliothis zea; N. carpocapsae survives better and is more effective in early part of season. Journal of economic entomology. June 1983. v. 76 (3). p. 590-593. (NAL Call No.: 421 J822).

0704

Variations in flight patterns of European corn borer (Lepidiptera: Pyralidae) in New York (Ostrinia nubilalis).
Eckenrode, C.J.EVETB. Robbins, P.S.; Andaloro, J.T. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 393-396. maps. Includes references. (NAL Call No.: QL461.E532).

0705

Vector relationship of Graminella nigrifrons to maize chlorotic dwarf virus (Leafhopper vector, Zea mays).
Choudhury, M.M.PHYTA. Rosenkranz, E. St. Paul : American Phytopathological Society. Phytopathology. May 1983. v. 73 (5). p. 685-690. Includes references. (NAL Call No.: 464.8 P56).

0706

Vertical-pull resistance of maize inbreds and their testcrosses (Rootworm tolerance, Diabrotica, root lodging).
Penny, L.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1981. v. 21 (2). p. 237-240. 8 ref. (NAL Call No.: 64.8 C883).

0707

Virulence of Nosema pyrausta to the European corn borer (Ostrinia nubilalis) when used in combination with insecticides.
Lublinkhof, J. AR-nRRC. Lewis, L.C. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1980. v. 9 (1). p. 67-71. ill. 18 ref. (NAL Call No.: QL461.E532).

0708

Volatiles of corn tassels: possible corn ear worm (Heliothis zea) attractants.
Buttery, R.G. AR-W. Ling, L.C.; Teranishi, R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1980. v. 28 (4). p. 771-774. ill. 8 ref. (NAL Call No.: 381 J8223).

0709

Weed, insect, and disease control guide: sweet corn.
Waters, luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L.& Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for sweet corn. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext. Folder 595).

0710

Weed manipulation for insect pest management in corn (Heliothis zea, Spodoptera frugiperda, Florida).
Altieri, M.A. Whitcomb, W.H. Nov 1980. v. 4 (6). Environmental management. Nov 1980. v. 4 (6). p. 483-489. ill. Bibliography p. 488-489. (NAL Call No.: HC79.E5E5).

0711

Western corn rootworm (Diabrotica virgifera). Distribution, damage and control in Wyoming.
Burkhardt, C.C. Michels, G.J. Jr. Laramie, The Station. Research journal - Wyoming Agricultural Experiment Station. Apr 1981. Apr 1981. (169). 18 p. ill., maps. (NAL Call No.: S131.E22).

0712

Wind effect on western corn rootworm (Coleoptera: Chrysomelidae) flight behavior (Diabrotica virgifera virgifera).
Vanwoerkom, G.J.EVETB. Turpin, F.T.; Barrett, J.R. Jr. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 196-200. Includes references. (NAL Call No.: QL461.E532).

0713

Winter and spring distribution and density of banks grass mite (Acari: Tetranychidae) in adjacent wheat and corn (Oligonychus pratensis, Nebraska, Kansas).
Holtzer, T.O. Perring, T.M.; Johnson, M.W. Lawrence, Kan. : The Society. Journal of the Kansas Entomological Society. Apr 1984. v. 57 (2). p. 333-335. Includes references. (NAL Call No.: 420 K13).

0714

Winter management of the southwestern corn borer (Lepidoptera: Pyralidae), using several cultural practices on different dates (Diatraea grandiosella).
Archer, T.L.JEENA. Bynum, E.D. Jr.; Knutson, A. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 872-876. Includes references. (NAL Call No.: 421 J822).

0715

Wireworms / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the distribution, appearance, life cycle, damage, scouting methods, and control methods of wireworms, also known as "click beetles". Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 14).

0716

Within-plant distribution of Banks grass mite (Oligonychus pratensis)on corn in west Texas.
Gilstrap, F.E. Summy, K.R.; Chandler, L.D.; Archer, T.L.; Ward, C.R. College Park, Md., Entomological Society of America. Environmental entomology. Oct 1980. v. 9 (5). p. 546-548. 8 ref. (NAL Call No.: QL461.E532).

0717

Yield impact of larval infestations of the fall armyworm (Lepidoptera:Noctuidae) to midwhorl growth stage of corn (Spodoptera frugiperda).
Cruz, I.JEENA. Turpin, F.T. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1052-1054. Includes references. (NAL Call No.: 421 J822).

0718

(Z)-9-tetradecen-1-ol formate distribution and dissipation in the air within a corn crop after emission from a controlled-release formulation (a mating disruptant of Heliothis moths).
Caro, J.H. AR-BARC. Glotfelty, D.E.; Freeman, H.P. New York, Plenum Press. Journal of chemical ecology. Jan 1980. v. 6 (1). p. 229-239. ill. 9 ref. (NAL Call No.: QD415.A1J6).

0719

1980 corn and grain sorghum performance tests (Hybrids, yields, insect resistance, Georgia).
Athens, Ga., The Stations. Research report - University of Georgia, Experiment Stations. Jan 1981. Jan 1981. (370). 54 p. ill., map. Includes bibliography. (NAL Call No.: S51.E22).

0720

1980 Kansas field crop insect control recommendations.
Brooks, Leroy. Gates, Dell E. 1980. First this publication discusses some safety tips for using insecticides, then it discusses the control of insects attacking alfalfa, corn, sorghum, wheat, and soybeans. It also includes a list of the Poison Control Information Centers in Kansas. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 27 p. (NAL Call No.: C 431).

0721

1981 Kansas field crops insect control recommendations.
Brooks, Leroy. Gates, Dell E. 1981. First this publication discusses some safety tips for using insecticides, then it discusses the control of insects attacking alfalfa, corn, sorghum, wheat, and soybeans. It also includes a list of the Poison Control Information Centers in Kansas. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 28 p. (NAL Call No.: C 431).

0722

Applying nematicides through an overhead sprinkler irrigation system for control of nematodes (Meloidogyne incognita, Macroposthonia ornata, in squash, southern peas, and corn).
Johnson, A.W. Young, J.R.; Mullinix, B.G. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1981. v. 13 (2). p. 154-159. 4 ref. (NAL Call No.: QL391.N4J62).

0723

Applying the economic threshold concept to control lesion nematodes on corn / Craig Osteen, A.W. Johnson, Clyde C. Dowler.
Osteen, Craig D. Johnson, A. W.; Dowler, Clyde C. Washington, D.C. U.S. Dept. of Agriculture, Economics Research Service 1982. Cover title ~"April 1982.". iv, 31 p. : ill. ; 22 cm. -. Includes bibliographical references. (NAL Call No.: 1 Ag84te no.1670).

0724

Armyworm / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the armyworms life history, damage, detection methods, and control methods. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 2).

0725

Beetles that feed on silks / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the northern, southern, and western corn rootworm beetles and the Japanese beetles which all feed on silks, their detection, and control. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent. Series 7).

0726

Consultants offer customers nematode counseling (Corn growers benefit from new service).
San Francisco, California Farmer. Agrichemical age. Jan 1981. v. 25 (1). p. 9, 25E. ill. (NAL Call No.: 381 AG85).

0727

Control of nematodes in corn in northwest Kansas, 1980 (Corn (Zea mays 'PAG SX 333'), nematodes; Pratylenchus spp.).
Sanden, G.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 183. (NAL Call No.: 464.9 AM31R).

0728

Control of nematodes in corn in southwest Kansas, 1979 (Corn (Zea mays 'NC+ 4666'), root-lesion nematode; Pratylenchus sp., ring nematode; Criconemoides sp., spiral nematode; Helicotylenchus sp., stubby-root nematode; Paratrichodorus sp.).
Lengkeek, V.H. Lash, L.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 225. (NAL Call No.: 464.9 AM31R).

0729

Control of nematodes in corn in southwest Kansas, 1979 (Corn (Zea mays 'O's Gold 5500'), root-lesion nematode; Pratylenchus sp., stunt nematode; Tylenchorhynchus sp.).
Lengkeek, V.H. Lash, L.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 225-226. (NAL Call No.: 464.9 AM31R).

0730

Control of nematodes in corn in southwest Kansas, 1980 (Corn (Zea mays 'O's Gold 5500'), root-lesion nematode; Pratylenchus sp.).
Lengkeek, V.H. Krouse, L.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 183. (NAL Call No.: 464.9 AM31R).

0731

Control of phytoparasitic nematodes on irrigated corn, 1979 (Corn Zea mays 'Pioneer 3183'), root-lesion nematode; Pratylenchus spp., stunt nematode; Tylenchorhynchus spp.).
Lash, L.D. Maddux, L.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 224-225. (NAL Call No.: 464.9 AM31R).

0732

Control of plant parasitic nematodes on corn, 1979 (Corn (Zea mays 'Pioneer 3369A'), stubby-root nematode; Trichodorus porosus, spiral nematode; Helicotylenchus sp., dagger nematode; Xiphinema americanum).
Phipps, P.M. Fox, J.A. (s.l.), The Society.

Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 226. (NAL Call No.: 464.9 AM31R).

0733

Corn cyst nematode, Heteroda zeae, in the United States (Maryland).
Sardanelli, S. Krusberg, L.R.; Golden, A.M. St. Paul, Minn., American Phytopathological Society. Plant disease. July 1981. v. 65 (7). p. 622. Includes 3 ref. (NAL Call No.: 1.9 P69P).

0734

Corn nematodes: invisible yield thieves.
Hill, P. Madison, Wis., American Society of Agronomy. Crops and soils magazine. Jan 1981. v. 33 (4). p. 16-17. ill. (NAL Call No.: 6 W55).

0735

Description of Trilineelus clathrocutis n.g., n.sp. (Tylenchorhynchinae: Tulenchida Thorne, 1949) with a key to species and observations on Tylenchorhynchus sensu stricto (New taxa, maize, Lolium perenne, Georgia).
Lewis, S.A. Golden, A.M. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1981. v. 13 (2). p. 135-141. ill. 11 ref. (NAL Call No.: QL391.N4J62).

0736

Effect of age of bahiagrass (Paspalum notatum) sod on succeeding corn crops (Nematodes, Florida).
Norden, A.J. Perry, V.G.; Martin, F.G.; NeSmith, J. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 118-121. 10 ref. (NAL Call No.: 56.9 SO32).

0737

The effect of Arthrobotrys conoides on Meloidogyne incognita. Population densities in corn as influenced by temperature, fungus inoculum density, and time of fungus introduction in the soil (Biological control).
Al-Hazmi, A.S. Schmitt, D.P.; Sasser, J.N. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1982. v. 14 (2). p. 168-174. Includes 20 ref. (NAL Call No.: QL391.N4J62).

0738

Effect of nematicides applied through a sprinkler irrigation system on control of root-knot nematodes on squash, southern pea, and field corn.
Johnson, A.W. AR-SO. Young, J.R. Ames, Iowa, Society of Nematologists. Journal of nematology. Oct 1980. v. 12 (4). p. 227. (NAL Call No.: QL391.N4J62).

0739

Effect of nematicides on nematode populations and yields in corn, 1981 (Corn (Zea mays 'Pioneer 3541'), lesion nematode; Pratylenchus spp., spiral nematode; Helicotylenchus spp.).
Hafez, S.L. Claflin, L.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 190. (NAL Call No.: 464.9 AM31R).

0740

The effect of nematicides on yield and nematode control in field corn, 1979 (Corn (Zea mays 'Pioneer 3369A'), root-knot nematode; Meloidogyne incognita, ring nematode; Macroposthonia ornata, spiral nematode; Helicotylenchus dihystera).
Johnson, A.W. Wright, W.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 224. (NAL Call No.: 464.9 AM31R).

0741

Effect of three fertility levels and six nematodes on the management on corn, 1980 (Corn (Zea mays 'Funks G-4689'), stubby root nematode; Trichodorus christiei, lesion nematode; Pratylenchus brachyurus, ring nematode; Criconemoides ornata).
Dickson, D.W. Waites, R.E.; Cornell, J.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 379-380. (NAL Call No.: 464.9 AM31R).

0742

European corn borer and corn earworm control on sweet corn.
Lofgren, J. A. Citkomp, L. K.& Entomology fact sheet. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1979. Includes descriptions, habits, chemical control and timing the applications for European corn borer and corn earworm. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: FS No.1).

0743

Evaluation of nematicides and methods of their application for control of nematodes on field corn.
Rhoades, H.L. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. Apr 1979. v. 9 (1). p. 43-47. ill. 6 ref. (NAL Call No.: SB998.N4N4).

0744

Evaluation of nematicides for control of nematodes on corn, 1979 (Corn (Zea mays 'McCurdy MSX 84'), nematodes; Pratylenchus sp.).
Sanden, G.E. Lash, L.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 226. (NAL Call No.: 464.9 AM31R).

0745

Evaluation of nematicides for control of plant parasitic nematodes on corn, 1981 (Corn (Zea mays 'Pioneer 3369A'), root knot nematode; Meloidogyne spp., lesion nematode; Pratylenchus spp., ring nematode; Macroposthonia spp., stubby-root nematode; Trichodorus spp.).
Phipps, P.M. Elliott, A.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 191. (NAL Call No.: 464.9 AM31R).

0746

Evaluation of nematicides for control of plant parasitic nematodes on corn, 1982 (Zea mays, maize, Macroposthonia, Trichodorus spp.).
Phipps, P.M.FNETD. Elliott, A.P. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 3. (NAL Call No.: 464.9 AM31R).

0747

Evaluation of nematicides for nematode control on field conr, 1982 (Zea mays, maize, Pratylenchus spp., Meloidogyne incognita, Macroposthonia ornata, Belonolaimus longicaudatus).
Johnson, A.W.FNETD. Wright, W.C. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 2. (NAL Call No.: 464.9 AM31R).

0748

Evaluation of nematicides for nematode control on field corn, 1981 (Corn (Zea mays 'Pioneer 3369A'), root lesion nematode; Pratylenchus spp., root-knot nematode; Meloidogyne incognita, ring nematode; Macroposthonia ornata).
Johnson, A.W. Wright, W.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 190-191. (NAL Call No.: 464.9 AM31R).

0749

Fall armyworm / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1980. This publication discusses the distribution, appearance, life cycle, damage, detection methods, and chemical control of the fall armyworm. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 1 sheet. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 3).

0750

Host range of Pratylenchus hexincisus and its pathogenicity on corn, soybean, and tomato.
Zirakparvar, M.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 749-753. ill. 15 ref. (NAL Call No.: 464.8 P56).

0751

In the Southeast managing corn diseases and nematodes.
Crawford, J.L. San Francisco, California Farmer Publishing Co. Agrichemical age. Mar 1981. v. 25 (3). p. 6-7, 44. ill. (NAL Call No.: 381 AG85).

0752

Influence of Meloidogyne incognita on growth of corn in pots.
Di Vito, M. Vovlas, N.; Inserrra, R.N. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1980. v. 64 (11). p. 1025-1026. ill. 6 ref. (NAL Call No.: 1.9 P69P).

0753

Influence of water and soil temperature on the concentration and efficacy of phenamiphos for control of root-knot nematodes (Meloidogyne incognita, turnips, field corn, southern peas).
Johnson, A.W. Rohde, W.A.; Dowler, C.C.; Glaze, N.C.; Wright, W.C. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1981. v. 13 (2). p. 148-153. 16 ref. (NAL Call No.: QL391.N4J62).

0754

Injury to sweet corn (cultivars) by a Longidorus sp. in Connecticut.
Miller, P.M. Rich, S. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1980. v. 15 (1). p. 29-30. ill. 3 ref. (NAL Call No.: SB1.H6).

0755

Insect and nematode control recommendations for asparagus, egg plant, okra, peppers, and sweet corn.
Toscano, N.C. (comp.). CA. Burton, V.; Radewald, J.; Thomason, I.; Toscano, N.; Johnson, D.; McCalley, N.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California.California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (21140). 8 p. ill. (NAL Call No.: S544.3.C2C3).

0756

Insect and nematode control recommendations for field corn and sorghum.
Toscano, N.C. (comp.). CA. Burton, V.E.; Reynolds, H.T.; Radewald, J.D.; Stimmann, M.W. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California.California. University, Berkeley. Cooperative Extension Service. Jan 1980. Jan 1980. (2746). 8 p. ill. (NAL Call No.: S544.3.C2C3).

0757

Insecticidal control of corn rootworm larvae in Nebraska / by James Derril Munson.
Munson, James Derril, 1940. 1969. Thesis--University of Nebraska ~Photocopy of typescript. Ann Arbor: University Microfilms, 1971. viii, 90 leaves. Bibliography: leaves 81-86. (NAL Call No.: DISS 70-17,740).

0758

Integrated control of nematodes of corn and sorghum in the United States.
Ferris, J.M. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 419. (NAL Call No.: SB951.I5 1979).

0759

Laboratory rearing of the southern corn rootworm on a meridic diet and preliminary evaluation of the fungus, Beauveria bassiana, as a biological control agent / by Robert Ingersoll Rose.
Rose, Robert Ingersoll, 1939. 1971. Thesis (Ph.D.)--Ohio State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. x, 105 leaves ; 21 cm. Bibliography: leaves 99-105. (NAL Call No.: DISS 71-27,550).

0760

A mathematical model for rootworm damage to corn in Iowa / by Frank Thomas Turpin.
Turpin, Frank Thomas, 1943. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. iii, 93 leaves ; 21 cm. Bibliography: leaves 77-79. (NAL Call No.: DISS 71-26,898).

0761

Mechanisms of host plant resistance in corn to the corn earworm Heliothis zea (Boddie) (Lepidoptera, Noctuidae) / by Richard W. Straub.
Straub, Richard W., 1940. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Missouri, Columbia, 1972. Facsimile produced by microfilm-xerography. xiv, 222 leaves. Bibliography: leaves 217-219. (NAL Call No.: DISS 73-7,098).

0762

Nematode control on corn, 1979 (Corn (Zea mays 'Silver Queen'), spiral nematode; Helicotylenchus pseudorobutus, stubby-root nematode; Trichodorus christiei, ring nematode; Criconemoides spp.).
Averre, C.W. Barker, K.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 223-224. (NAL Call No.: 464.9 AM31R).

0763

The nematode threat to corn in the United States.
Johnson, G. Washington, D.C., American Seed Trade Association. Proceedings of the ... annual corn and sorghum research conference.American Seed Trade Association. Corn and Sorghum Division. Corn and Sorghum Research Conference. 1979. 1979. (34th). p. 35-45. ill., map. (NAL Call No.: 59.9 AM32).

0764

Nematodes on corn.
Norton, Don C. Nyvall, Robert F. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1977. This publication contains information on the symptoms of corn nematode damage and some sampling and control methods. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Pm-722).

0765

New concept for rootworm (Diabrotica) control (Maize).
San Francisco, California Farmer Publishing Co. Agrichemical age. Apr 1981. v. 25 (4). p. 6-7. ill. (NAL Call No.: 381 AG85).

0766

A new corn disease caused by Longidorus breviannulatus in the Midwest.
Malek, R.B. Norton, D.C.; Jacobensen, B.J.; Acosta, N. St. Paul, Minn., American Phytopathological Society. Plant disease. Dec 1980. v. 64 (12). p. 1110-1113. ill. 5 ref. (NAL Call No.: 1.9 P69P).

0767

Paecilomyces nostocoides, a new hyphomycete isolated from cysts of Heterodera zeae (Fungus isolated from the corn cyst nematode, taxonomy, biological control agent).
Dunn, M.T.MYCOA. Bronx : The New York Botanical Garden. Mycologia. Jan/Feb 1983. v. 75 (1). p. 179-182. ill. 6 ref. (NAL Call No.: 450 M99).

0768

Pathogenicity of the Columbia root-knot nematode (Meloidogyne chitwoodi) on wheat, corn, oat, and barley (Pacific Northwest).
Santo, G.S. O'Bannon, J.H. Ames, Iowa, Society of Nematologists. Journal of nematology. Oct 1981. v. 13 (4). p. 548-550. 2 ref. (NAL Call No.: QL391.N4J62).

0769

Plant disease detection and Minnesota crop disease problems (Maize dwarf mosaic virus, soybean cyst nematode, Heterodera glycines, and head scab caused by Fusarium spp.).
Stromberg, E.L. APHIS. Minneapolis, The Council. Crop production conference report - Crop Quality Council.Crop Quality Council. 1978. 1978. (45th). p. 37-40. 2 ref. (NAL Call No.: 464.9 N813).

0770

Plant-parasitic nematodes in loess toposequences planted with corn (Helicotylenchus pseudorobustus, Paratylenchus microdorus, Pratylenchus spp., Xiphinema americanum).
Norton, D.C. Oard, M. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1981. v. 13 (3). p. 314-321. ill. 8 ref. (NAL Call No.: QL391.N4J62).

0771

Plant pathology fact sheet: corn disease and nematode management (Includes fungal, viral, bacterial diseases).
Crawford, J.L. Athens, Ga. : The Service. Leaflet - Cooperative Extension Service, University of Georgia. Mar 1984. Mar 1984. (328,rev.). 6 p. ill. (NAL Call No.: 275.29 G29L).

0772

Population changes of Pratylenchus hexincisus on Zea mays (maize) and three perennial prairie species (Helianthus grosseserratus, Sorghastrum nutans, Sporobolus asper, Iowa).
Zugzda, M.M. Cedar Falls, Iowa, The Academy. The Proceedings of the Iowa Academy of Science. June 1980. v. 87 (2). p. 45-46. ill. 12 ref. (NAL Call No.: 500 I093).

0773

Population dynamics of Meloidogyne incognita on corn grown in soil infested with Arthrobotrys conoides (in the greenhouse).
Al-Hazmi, A.S. Schmitt, D.P.; Sasser, J.N. Ames, Iowa, Society of Nematologists. Journal of nematology. Jan 1982. v. 14 (1). p. 44-50. Includes 26 ref. (NAL Call No.: QL391.N4J62).

0774

Population increase of Pratylenchus hexincisus on corn as related to soil temperature and type.
Zirakparvar, M.E. Norton, D.C.; Cox, C.P. Ames, Iowa, Society of Nematologists. Journal of nematology. Oct 1980. v. 12 (4). p. 313-318. ill. 16 ref. (NAL Call No.: QL391.N4J62).

0775

Response of peanut, corn, tobacco, and soybean to Criconemella ornata (Nematode, yields).
Barker, K.R.JONEB. Schmitt, D.P.; Campos, V.P. Ames : Society of Nematologists. Journal of nematology. Oct 1982. v. 14 (4). p. 576-581. Includes references. (NAL Call No.: QL391.N4J62).

0776

A search of plant introductions as a source of corn rootworm resistance / by Richard Lee Wilson.
Wilson, Richard Lee, 1939. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. iii, 139 leaves ; 21 cm. Bibliography: leaves 60-62. (NAL Call No.: DISS 71-26,902).

0777

Some important insect larvae affecting corn.
Baker, Norman T. Hellenthal, Ronald A. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 19--?. Lists insect larvae affecting corn. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Folder 259).

0778

Southern corn billbug (Coleoptera:Curculionidae) and plant-parasitic nematodes: influence of no-tillage, coulter-in-row-chiseling, and insecticides on severity of damage to corn (Sphenophorus callosus, Hoplolaimus columbus, Criconemelia spp.).
All, J.N. Hussey, R.S.; Cummins, D.G. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 178-182. ill. Includes references. (NAL Call No.: 421 J822).

0779

Status of plant parasitic nematodes, VA mycorrhizae, and nutrients in soils used for field corn production in north Florida.
Rich, J.R. Hammond, L.C.; Esser, R.P.; Arens, M.L. (S.l.) : The Society. Proceedings - Soil and Crop Science Society of Florida. 1982. v. 41. p. 175-178. Includes references. (NAL Call No.: 56.9 S032).

0780

Sting nematode control in field corn, 1980 (Corn (field) (Zea mays 'Pioneer 3369A'), sting nematode; Belonolaimus longicaudatus).
Krausz, J.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 184. (NAL Call No.: 464.9 AM31R).

0781

USDA and Maryland officials survey state for new foreign corn pest (Heterodera zeae).
Washington, D.C., The Office. Major news releases and speeches - United States Department of Agriculture, Office of Governmental and Public Affairs. May 1/8, 1981. May 1/8, 1981. p. 19-20. (NAL Call No.: aS21.A8U51).

0782

Anthracnose of dent corn.
Scott, Donald H. Warren, Herman L.; Nicholson, Ralph L.& Plant disease control. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1977. Discusses anthracnose stalk rot and top kill control. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: BP-6-8).

0783

Blackbirds and corn in Ohio / by Richard A. Dolbeer.
Dolbeer, Richard A. Washington, D.C. U.S. Dept. of the Interior, Fish and Wildlife Service 1980. 18 p., (1) leaf of plates : ill. ; 27 cm. -. Bibliography: p. 16-18. (NAL Call No.: SB608.M2D65).

0784

Breeding for resistance to pathogens in corn.
Toler, R.W. TX. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 283-289. 27 ref. (NAL Call No.: 100 T31M).

0785

A Compendium of corn diseases.
(Urbana, Ill.?) Cooperative Extension Serice, University of Illinois (Washington, D.C.?) Extension Service, U.S. Dept. of Agriculture c1973. vi, 64 p., A-E p. (1) folded : ill. ; 28 cm. Includes bibliographies. (NAL Call No.: MLCM 83/1725).

0786

Compendium of corn diseases / edited by Malcolm C. Shurtleff ; in cooperation with: Cooperative Extension Service and the Dept. of Plant Pathology, University of Illinois, Urbana.
St. Paul American Phytopathological Society c1980. v, 105 p., (6) fold. leaves of plates : ill. Includes bibliographies and index. (NAL Call No.: SB608.M2I4 1980).

0787

A compilation of plant diseases and disorders in Indiana - 1981 (Trees, ornamentals, turfgrass, vegetables, wheat, corn, soybean, alfalfa).
Evans-Ruhl, G.PIACA. Latin, R.X.; Pecknold, P.C.; Scott, D.H. Indianapolis : The Academy. Proceedings of the Indiana Academy of Science. 1981. v. 91. p. 120-139. Includes references. (NAL Call No.: 500 IN2).

0788

Conservation tillage and corn diseases.
White, D.G. Yanney, J. St. Joseph, Mich. (P.O. Box 410), American Society of Agricultural Engineers, 1980. Crop production with conservation in the 80's : proceedings of the American Society of Agricultural Engineers Conference on Crop Production with Conservation in the 80's, December 1-2, 1980, Palmer House, Chicago, Illinois. p. 164-166. 8 ref. (NAL Call No.: S494.5.P75C7).

0789

Corn disease evaluations for Delaware (Hybrid comparisons, resistance).
Carroll, R.B.DUABA. Cameron, G.E. Newark : The Station. Bulletin - Delaware Agricultural Experiment Station. Jan 1983. Jan 1983. (444). 14 p. (NAL Call No.: 100 D37S (1)).

0790

Corn diseases.
Scott, Donald H. Sharvelle, Eric G.& An aid to identification. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1969. Lists corn diseases and how to identify them. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: BP-5-16).

0791

Corn pest management / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication is a worksheet to list insects, weeds, and diseases infesting your corn crop. 3 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: IPM-4).

0792

Corn stunt spiroplasma and viruses associated with a maize disease epidemic in southern Florida (Dalbu maidis, Exitianus exitiosus, Graminella nigrifrons, Peregrinus maidis(.
Bradfute, O.E. Tsai, J.H. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1981. v. 65 (10). p. 837-841. ill. 20 ref. (NAL Call No.: 1.9 P69P).

0793

Disease lesion mimic mutations (Maize, plant genotype and environmental conditions).
Walbot, V. Hoisington, D.A.; Neuffer, M.G. New York : Plenum Press, c1983. Genetic engineering of plants : an agricultural perspective / edited by T. Kosuge, C.P. Meredith ; technical editors, C.M. Wilson. p. 431-442. plates.

Includes references. (NAL Call No.: SB123.G376).

0794

Diseases and insects of corn in South Carolina.
Krausz, J.P. SD. Manley, D.G. Clemson, S.C., The Service. Circular - Clemson University, Cooperative Extension Service. Nov 1979. Nov 1979. (601). 10 p. ill. (NAL Call No.: 275.29 SO8E).

0795

Diseases of corn.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training collection ~Cassette title: Wheat diseases and armyworms. 50 slides : col. + 1 sound cassette (17:40 min.) + 1 script. (NAL Call No.: Slide no.19).

0796

Electronic circuit for detecting leaf wetness and comparison of two sensors (Relationship between microclimate and plant disease, beans, maize, onions).
Weiss, A. Lukens, D.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 41-43. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0797

Integrated control of diseases of corn and sorghum in the United States.
Ullstrup, A.J. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 413-415. Includes 8 ref. (NAL Call No.: SB951.I5 1979).

0798

Maize weevil : a search for resistance in converted exotic sorghum kernels / G.L. Teetes ... (et al.).
Teetes, G. L. College Station, Tex. Texas Agricultural Experiment Station 1981. 38 p. ; 28 cm. -. Bibliography: p. 16-18. (NAL Call No.: 100 T31S (1) no.1371).

0799

Occurrence and characterization of a common antigen relationship between Ustilage maydis and Zea mays as involved in disease development / by Dewundera Liyanage Satish-Chandra Wimalajeewa.
Wimalajeewa, Dewundera Liyanage Satish-Chandra, 1936. 1969. Thesis--University of California, Davis. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. iv, 88 leaves. Bibliography: leaves 83-88. (NAL Call No.: DISS 70-25,160).

0800

Pest control in commercial sweet corn production, 1983.
Doersch, R.E. Doll, J.D.; Grau, C.R.; Wedberg, J.L.; Craven, S.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. Supersedes A2345, Weed Control in Commercial Sweet Corn Production, and A2353, Bird, Insect and Disease Control in Commercial Sweet Corn Production. 1983. (A2345 rev.). 25 p. (NAL Call No.: S544.3.W6W53).

0801

Pest management systems for corn diseases (in the U.S.).
Hooker, A.L. Boca Raton, Fla., CRC Press. CRC handbook of pest management in agriculture. 1981. v. 3. p. 275-283. 7 ref. (NAL Call No.: SB950.C7).

0802

Plant diseases: early warning system to help growers (Illinois program in monitoring corn and soybean disease).
Jordan, E.G. IL. Urbana, The Station. Illinois research.Illinois. Agricultural Experiment Station. Winter 1980. v. 22 (1). p. 10-11. ill., maps. (NAL Call No.: 100 IL64).

0803

Plant pathology fact sheet: corn disease and nematode management (Includes fungal, viral, bacterial diseases).
Crawford, J.L. Athens, Ga. : The Service. Leaflet - Cooperative Extension Service, University of Georgia. Mar 1984. Mar 1984. (328,rev.). 6 p. ill. (NAL Call No.: 275.29 G29L).

0804

An update on corn diseases and their pathogens.
Turner, M.T. Washington, D.C. : The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. 1982. (37th). p. 190-205. ill., maps. Includes references. (NAL Call No.: 59.9 AM32).

0805

Weed, insect, and disease control guide: sweet corn.
Waters, luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L.& Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for sweet corn. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext. Folder 595).

0806

What's the potential of disease incidence of corn in conservation tillage.
Nyvall, R.R. Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. Literature review. 1982. (36th). p. 159-175. 63 ref. (NAL Call No.: 59.9 AM32).

0807

Aflatoxin accumulation in developing kernels of eight maize single crosses after inoculation with Aspergillus flavus (Genetic control, breeding for resistance).
Thompson, D.L. Rawlings, J.O.; Zuber, M.S.; Payne, G.A.; Lillehoj, E.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1984. v. 68 (6). p. 465-467. Includes references. (NAL Call No.: 1.9 P69P).

0808

Aflatoxin and aspergillus flavus in corn / edited by Urban L. Diener (Editor-in-Chief), Richard L. Asquith, (and) J.W. (Bill) Dickens.
Diener, Urban L. Auburn University, Alabama Department of Research Information, Alabama Agricultural Experiment Station 1983. "...consists of manuscripts prepared for the Symposium on 'Aflatoxin and Aspergillus Flavus in Corn' held in Atlanta, Georgia on January 26 and 27, 1982. ~Includes index. iv, 112 p. : ill. ; 28 cm. -. Bibliography: p. 91-105. (NAL Call No.: 100 G29So no.279).

0809

Aflatoxin and mold flora in North Carolina in 1977 corn crop.
Hesseltine, C.W. Rogers, R.F.; Shotwell, O.L. Bronx, N.Y., New York Botanical Garden. Mycologia. Mar/Apr 1981. v. 73 (2). p. 216-228. maps. 11 ref. (NAL Call No.: 450 M99).

0810

Aflatoxin (Aspergillus flavus) contamination of preharvest corn as influenced by timing and method of inoculation.
Widstrom, N.W. Wilson, D.M.; McMillian, W.W. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Aug 1981. v. 42 (2). p. 249-251. 13 ref. (NAL Call No.: 448.3 AP5).

0811

Aflatoxin concentration in corn as influenced by kernel development stage and postinoculation temperature in controlled environments (Aspergillus flavus).
Thompson, D.L. AR-SO~AR-NC. Lillehoj, E.B.; Leonard, K.J.; Kwolek, W.F.; Zuber, M.S. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1980. v. 20 (5). p. 609-612. ill. 14 ref. (NAL Call No.: 64.8 C883).

0812

Aflatoxin contamination of preharvest corn: role of Aspergillus flavus inoculum and insect damage.
Lillehoj, E.B. AR-NRRC~AR-SO~AR-SRRC. Kwolek, W.F.; Horner, E.S.; Widstrom, N.W.; Josephson, L.M.; Franz, A.O.; Catalano, E.A. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. July/Aug 1980. v. 57 (4). p.255-257. 7 ref. (NAL Call No.: 59.8 C33).

0813

Aflatoxin in corn before harvest: interaction of hybrids and locations (Aspergillus flavus, mycotoxin, corn insects).
Lillehoj, E.B. Kwolek, W.F.; Zuber, M.S.; Bockholt, A.J.; Calvert, O.H.; Findley, W.R.; Guthrie, W.D.; Horner, E.S.; Josephson, L.M.; King, S. Madison, Wis., Crop Science Society of America. Crop science. Nov/Dec 1980. v. 20 (6). p. 731-734. 13 ref. (NAL Call No.: 64.8 C883).

0814

Aflatoxin occurrence and levels in preharvest corn kernels with varied endosperm characteristics grown at diverse locations (Aspergillus flavus, Zea mays, insect damage and aflatoxin contamination).
Lillehoj, E.B.CRPSAY. Zuber, M.S.; Darrah, L.L.; Kwolek, W.F.; Findley, W.R. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1181-1184. Includes references. (NAL Call No.: 64.8 C883).

0815

Aflatoxin-producing Aspergillus flavus in Hawaii (in maize).
Ooka, J.J. Zuber, M.S. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1980. v. 64 (6). p. 550-551. 12 ref. (NAL Call No.: 1.9 P69P).

0816

Aflatoxin-producing fungi (Aspergillus flavus, Aspergillus parasiticus) in preharvest corn: inoculum source in insects and soils.
Lillehoj, E.B. AR-SRRC~AR-NC~AR-SO. McMillian, W.W.; Guthrie, W.D.; Barry, D. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Oct/Dec 1980. v. 9 (4). p. 691-694. 8 ref. (NAL Call No.: QH540.J6).

0817

Aflatoxins in corn (Aspergillus flavus, Aspergillus parasiticus).
Diener, U.L.ACSMC. Davis, N.D. Washington : The Society. ACS Symposium series - American Chemical Society. 1983. Based on a symposium sponsored by the Division of Agricultural and Food Chemistry at the 184th meeting of the American Chemical Society, Kansas City, Missouri, September 12-17, 1982. 1983. (234). p. 249-269. Includes references. (NAL Call No.: QD1.A45).

0818

Analogs of host-specific phytotoxin produced by Helminthosporium maydis, race T. I. Synthesis (Zea mays, maize).
Suzuki, Z.BOCMB. Knoche, H.W.; Daly, J.M. New York : Academic Press. Bioorganic chemistry. Sept 1982. v. 11 (3). p. 300-312. 24 ref. (NAL Call No.: QD241.B5).

0819

Analogs of host-specific phytotoxin produced by Helminthosporium maydis, race T. II. Biological activities (Zea mays, maize).
Suzuki, Y.BOCMB. Tegtmeier, K.J.; Daly, J.M.; Knoche, H.W. New York : Academic Press. Bioorganic chemistry. Sept 1982. v. 11 (3). p. 313-321. 11 ref. (NAL Call No.: QD241.B5).

0820

Anthracnose fungus survives in surface corn residues (Colletotrichum graminicola, corn diseases, Ohio).
Lipps, P.E.ORRDA. Wooster : The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. May/June 1983. v. 68 (3). p. 38-40. ill. (NAL Call No.: 100 OH3S (3)).

0821

Anthracnose stalk rot (Colletotrichum graminicola, corn, United States).
White, D.G. Yanney, J.; Natti, T.A. Washington, D.C., American Seed Trade Association. Proceedings of the ... annual corn and sorghum research conference.American Seed Trade Association. Corn and Sorghum Division. Corn and Sorghum Research Conference. 1979. 1979. (34th). p. 1-15. 13 ref. (NAL Call No.: 59.9 AM32).

0822

Aspergillus flavus group, aflatoxin, and bright greenish yellow fluorescence in insect-damaged corn in georgia (Heliothis zea).
Wilson, D.M. Widstrom, N.W.; Marti, L.R.; Evans, B.D. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. Jan/Feb 1981. v. 58 (1). p. 40-42. 17 ref. (NAL Call No.: 59.8 C33).

0823

Aspergillus flavus sclerotia form in wound-indoculated preharvest corn (Zea mays, maize).
Wicklow, D.T. Horn, B.W. Bronx, N.Y. : The New York Botanical Garden. Mycologia. May/June 1984. v. 76 (3). p. 503-505. Includes references. (NAL Call No.: 450 M99).

0824

Biosynthesis of (14C) (carbon isotope) zearalenone from (1-14C)acetate by Fusarium roseum 'Gibbosum' (occurs naturally in corn).
Hagler, W.M. Mirocha, C.J. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Apr 1980. v. 35 (4). p. 668-670. ill. 3 ref. (NAL Call No.: 448.3 AP5).

0825

Biotic and environmental factors affecting infection of sweet corn with Exserohilum turcicum (Northern leaf blight, Zea mays).
Levy, Y.PHYTA. Cohen, Y. St. Paul : American Phytopathological Society. Phytopathology. May 1983. v. 73 (5). p. 722-725. Includes references. (NAL Call No.: 464.8 P56).

0826

Chaetoglobosin K: A new plant growth inhibitor and toxin from Diplodia macrospora (Fungal pathogen of corn, toxicity, chicks, wheat).
Cutler, H.G. AR-SO-AR-NE. Crumley, F.G.; Cox, R.H.; Cole, R.J.; Dorner, J.W.; Springer, J.P.; Latterell, F.M.; Thean, J.E.; Rossi, A.E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1980. v. 28 (1). p. 139-142. ill. 16 ref. (NAL Call No.: 381 J8223).

0827

Chemical control of corn head smut--1981 (Fungicides).
Koepsell, P.A. Baggett, J.R. Corvallis, Ore., The Station. Oregon vegetable digest - Oregon Agricultural Experiment Station. Jan 1982. v. 31 (1). p. 3-4. (NAL Call No.: SB320.07).

0828

Chemical control of corn head smut on corn, 1980 (Corn (sweet) (Zea mays var. saccharata 'Sugar Daddy'), head smut; Spacelotheca reiliana).
Koepsell, P.A. Bagget, J.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 156. (NAL Call No.: 464.9 AM31R).

0829

Chemical control of corn head smut on corn, 1981 (Corn (sweet) (Zea mays var saccharata 'Golden Jubilee'), head smut; Spacelotheca reiliana).
Koepsell, P.A. Bagget, J.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 164. (NAL Call No.: 464.9 AM31R).

0830

Chemical studies on corn embryos infected by various fungi (Aspergillus, Fusarium moniliforme, Penicillium oxalicum).
Farag, R.S. Youssef, A.M.; Sabet, K.A.; Fahim, M.M.; Khalil, F.A. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. June 1981. v. 58 (6). p. 722-728. ill. 17 ref. (NAL Call No.: 307.8 J82).

0831

Common smut & rust of corn.
Hart, Patrick L. Stevens, Christine T.; Briggs, Steven. 1981. Discussed are two problems of corn, common smut & rust. Symptons & control are discussed of each. Document available from: Michigan State Univ. Bulletin Office, P.O. Box 231, East Lansing, MI. 48824. 3 p. : ill. (NAL Call No.: E 1510).

0832

Common smut and rust of corn (Fungus, Ustilago maydis).
Hart, L.P. Stephens, C.T. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Aug 1982. v. 30 (8). p. 52-54. ill. (NAL Call No.: 80 C733).

0833

Common smut and rust of corn (Ustilago maydis, Puccinia sorghi, includes resistant varieties).
Hart, L.P. Stephens, C.T.; Briggs, S. East Lansing, Mich., The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. June 1981. June 1981. (1510). 3 p. ill. (NAL Call No.: 275.29 M58B).

0834

Comparative reactions of corn inbreds to oospore and conidial inoculum of Peronosclerospora sorghi (the causal agent of sorghum downy mildew).
Craig, J. AR-SO. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1980. v. 70 (4). p. 313-315. ill. 14 ref. (NAL Call No.: 464.8 P56).

0835

A comparative study between field soil and perlite infested with Pythium as media for the corn (Zea mays L.) cold test.
Garzonio, D.M.JSTED. Larsen, A.L. East Lansing : Association of Official Seed Analysts. Journal of seed technology. 1981. v. 6 (3). p. 50-58. ill. Includes references. (NAL Call No.: SB113.2.J6).

0836

A comparison of the degradation of 14C (carbon isotope)-labeled DHP (dehydrogenative polymerizate) and corn stalk lignins by micro- and macrofungi and bacteria (Wood decay, soil microorganisms).
Haider, K. Trojanowski, J. Boca Raton, Fla., CRC Press, c1980. Lignin biodegradation : microbiology, chemistry, and applications, editors, T. Kent Kirk, Takayoshi Higuchi, Hou-min Chang. v. 1 p. 111-134. ill. 100 ref. (NAL Call No.: TS933.L5L5).

0837

Components of fitness attributes in Cochliobolus carbonum race 3 (Leaf spot and ear infection of maize, Zea mays).
Hamid, A.H. Ayers, J.E.; Schein, R.D.; Hill, R.R. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1166-1169. 17 ref. (NAL Call No.: 464.8 P56).

0838

Consistent infection of corn seedlings with oospores of Peronosclerospora sorghi (Sorghum downy mildew on maize, Zea mays).
Craig, J.PHYTA. St. Paul : American Phytopathological Society. Phytopathology. Aug 1983. v. 73 (8). p. 1177-1179. Includes references. (NAL Call No.: 464.8 P56).

0839

Control of brown stripe downy mildew (Sclerophthora rayssiae var. zeae) of maize by metalaxyl.
Lal, S. Saxena, S.C.; Upadhyay, R.N. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1980. v. 64 (9). p. 874-876. 14 ref. (NAL Call No.: 1.9 P69P).

0840

Control of corn head smut.
Koepsell, P.A. Mack, H.J.; Baggett, J.R. Portland, Ore., The Society. Annual report - Oregon Horticultural Society. 1981. v. 72. p. 191-193. (NAL Call No.: 81 OR32).

0841

Control of northern and southern corn leaf blights with Bravo 500F, 1979 (Corn (Zea mays 'Inbred B73'), northern corn leaf blight; Helminthosporium turcicum, southern corn leaf blight; Helminthosporium maydis).
White, D.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 85. (NAL Call No.: 464.9 AM31R).

0842

Control of northern and southern corn leaf blights, 1979 (Corn (Zea mays 'Illini Extra Sweet'), northern corn leaf blight; Helminthosporium turcicum, southern corn leaf blight; Helminthosporium maydis).
White, D.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 84. (NAL Call No.: 464.9 AM31R).

0843

Control of northern corn leaf blight and southern corn leaf blight with Bravo 500F and Dithane M-45 formulations, 1981 (Corn (Zea mays 'Inbred B73'), northern corn leaf blight; Helminthoisporium turcicum, southern corn leaf blight; Helminthopsorium maydis).
White, D.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 91. (NAL Call No.: 464.9 AM31R).

0844

Control of northern corn leaf blight and southern corn leaf blight with Bravo 500F, 1980 (Corn (Zea mays, Inbred B73), northern corn leaf blight; Helminthosporium turcicum, southern corn leaf blight; Helminthosporium maydis).
White, D.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 85. (NAL Call No.: 464.9 AM31R).

0845

Control of northern corn leaf blight and southern corn leaf blight with Dithane M-45 formulations, 1980 (Corn (Zea mays, Inbred B73), northern corn leaf blight; Helminthosporium turcicum, southern corn leaf blight; Helminthosporium maydis).
White, D.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 84. (NAL Call No.: 464.9 AM31R).

0846

Control of northern corn leaf blight and southern corn leaf blight with various fungicides, 1982 (Helminthosporium turcicum, Helminthosporium maydis, Zea mays).
White, D.G.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 70-71. (NAL Call No.: 464.9 AM31R).

0847

Corn head smut affected by cultural practices (Spacelotheca realiana).
Mack, H.J. Koepsell, P.A. Corvallis, Ore., The Station. Oregon vegetable digest - Oregon Agricultural Experiment Station. Jan 1982. v. 31 (1). p. 4-5. (NAL Call No.: SB320.07).

0848

Corn hybrids evaluated for resistance to downy mildew (crazy top) disease (Sclerophthora macrospora).
Graves, C. TN. McCutchen, T.; West, D. Knoxville, The Station. Tennessee farm and home science - Tennessee Agricultural Experiment Station. Jan/Mar 1980. Jan/Mar 1980. (113). p. 24-25. ill. (NAL Call No.: 100 T25F).

0849

Corn rust control with Bravo 500, 1979 (Sweet corn (Zea mays var. saccharata 'Silver Queen'), rust; Puccinia sorghi).
MacNab, A.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 63. (NAL Call No.: 464.9 AM31R).

0850

Corn smut as a food source--perspectives on biology, composition, and nutrition (Ustilago magdis, includes control of the pathogen, its protein production).
Kealey, K.S. Kosikowski, F.V. Boca Raton, Fla., CRC Press. CRC critical reviews in food science and nutrition. Dec 1981. Literature review. v. 15 (4). p. 321-351. ill. 148 ref. (NAL Call No.: TP368.C7).

0851

Correlated responses of yield and other agronomic traits to recurrent selection for stalk quality in a maize synthetic (Diploida maydis, breeding for disease resistance).
Martin, M.J. Russell, W.A. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 746-750. Includes references. (NAL Call No.: 64.8 C883).

0852

Cultural characteristics, pathogenicity, and zearalenone production by strains of Gibberella zeae isolated from corn (Zea mays, maize, Fusarium graminearum).
Cullen, D.PHYTA. Caldwell, R.W.; Smalley, E.B. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1415-1418. ill. 17 ref. (NAL Call No.: 464.8 P56).

0853

Cultural techniques and conditions influencing growth and sporulation of Cercospora zeae-maydis and lesion development in corn (Zea mays, maize, gray leaf spot).
Beckman, P.M.PHYTA. Payne, G.A. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 286-289. 9 ref. (NAL Call No.: 464.8 P56).

0854

Cytoplasm-specific effects of Helminthosporium maydis race T toxin on corn protoplasts and mitochondria (Zea mays, maize, selection for mitochondrial traits).
Earle, E.D. New York : Praeger, 1982. Variability in plants regenerated from tissue culture / edited by E.D. Earle, Y. Demarly. Literature review. p. 351-367. ill. Includes references. (NAL Call No.: QK840.V37).

0855

Cytoplasmic inheritance of male sterility and pest resistance (to Helminthosporium maydis, corn).
Gracen, V.E. Kheyr-Pour, A.; Earle, E.D.; Gregory, P. Washington, D.C., American Seed Trade Association. Proceedings of the ... annual corn and sorghum research conference.American Seed Trade Association. Corn and Sorghum Division. Corn and Sorghum Research Conference. 1979. 1979. (34th). p. 76-91. Bibliography p. 90-91. (NAL Call No.: 59.9 AM32).

0856

Decomposition of alfatoxin in soil (Corn infected by Aspergillus spp.).
Angle, J.S. Wagner, G.H. Madison, Wis., The Society. Journal - Soil Science Society of America. Nov/Dec 1980. v. 44 (6). p. 1237-1240. ill. 17 ref. (NAL Call No.: 56.9 S03).

0857

Degradation of 14C (carbon isotope)-malathion in stored corn and wheat inoculated with Aspergillus glaucus.
Anderegg, B.N.JEENA. Madisen, L.J. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 733-736. Includes references. (NAL Call No.: 421 J822).

0858

Detection and detoxification of aflatoxin in corn and peanuts / by Maria Garcia Ochomogo.
Ochomogo, Maria del Carmen Garcia, 1950. Ann Arbor, Mich. University Microfilms International 1979. Thesis--Louisiana State University and Agricultural and Mechanical College, 1978. Facsimile produced by microfilm-xerography. ix, 63 leaves : ill. ; 29 cm. Bibliography: leaves 53-57. (NAL Call No.: DISS 79-03,150).

0859

Detection of Aspergillus flavus and aflatoxins in cotton and corn by ultraviolet fluorescence (Zea mays, Gossypium hirsutum).
Marsh, P.B.JEVQAA. Simpson, M.E. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. Literature review. v. 13 (1). p. 8-17. maps. Includes references. (NAL Call No.: QH540.J6).

0860

Detection of trichothecene mycotoxins. Quantitation of deoxynivalenol by negative chemical ionization mass spectrometry (Corn, wheat, Fusarium).
Rothberg, J.M.ACSMC. Macdonald, J.L.; Swims, J.C. Washington : The Society. ACS Symposium series - American Chemical Society. 1983. Based on a symposium sponsored by the Division of Agricultural and Food Chemistry at the 184th meeting of the American Chemical Society, Kansas City, Missouri, September 12-17, 1982. 1983. (234). p. 271-281. ill. Includes references. (NAL Call No.: QD1.A45).

0861

Development of southern rust on maize at different stages of maturity (Puccinia polysora).
King, S.B. Scott, G.E. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1982. v. 66 (6). p. 477-481. Includes 13 ref. (NAL Call No.: 1.9 P69P).

0862

Differences in soft rot Erwinia spp. in pathogenicity to corn and sensitivity to an inhibitory fraction from corn / by John Richard Hartman.
Hartman, John Richard, 1943. 1971. Thesis (Ph.D.)--University of Wisconsin, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. vii, 93 leaves ; 21 cm. Bibliography: leaves 87-93. (NAL Call No.: DISS 72-1,029).

0863

Differential effect of light on spore germination of Exserohilum turcicum on corn leaves and corn leaf impressions (Zea mays, maize, simulation models of northern leaf blight).
Levy, Y.PHYTA. Cohen, Y. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 249-252. ill. 13 ref. (NAL Call No.: 464.8 P56).

0864

A differential effect of race T toxin on dark and photosynthetic CO2 (carbon dioxide) fixation by thin leaf slices from susceptible corn (Bipolaris (Helminthosporium) maydis).
Daly, J.M. Barna, B. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Oct 1980. v. 66 (4). p. 580-583. 27 ref. (NAL Call No.: 450 P692).

0865

Diplodiol: A new toxin from Diplodia macrospora (Fungal pathogen of corn, toxicity to chicks).
Cutler, H.G. AR-SD-AR-NE. Crumley, F.G.; Cox, R.H.; Cole, R.J.; Dorner, J.W.; Latterell, F.M.; Rossi, A.E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1980. v. 28 (1). p. 135-138. ill. 14 ref. (NAL Call No.: 381 J8223).

0866

Distribution and ultrastructure of Peronosclerospora maydis (downy mildew) in maize shoot tips.
Takahashi, K. Inaba, T.; Kajiwara, T. St. Paul, Minn., American Phytopathological Society. Phytopathology. Nov 1981. v. 71 (11). p. 1133-1137. ill. 11 ref. (NAL Call No.: 464.8 P56).

0867

Ecology of a sterile white pathogenic basidiomycete in corn, peanut, soybean, and snap bean field microplots (Rhizoctonia solani, Zea mays, Arachis hypogaea, Glycine max, Phaseolus vulgaris, soilborne fungi, Georgia).
Bell, D.K. Sumner, D.R. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 18-22. Includes references. (NAL Call No.: 1.9 P69P).

0868

Ecology of fungi in the rhizosphere of corn / by Annabelle I-pin Chang.
Chang, Annabelle I-pin, 1943. 1970. Thesis--University of Minnesota. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. 137 leaves. Bibliography: leaves 120-123. (NAL Call No.: DISS 70-27,105).

0869

Effect of aflatoxin B1 on chromatin-bound ribonucleic acid polymerase and nucleic acid and protein synthesis in germinating maize seeds (Corn, Aspergillus).
Tripathi, R.K. Misra, R.S. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Sept 1981. v. 42 (3). p. 389-393. 29 ref. (NAL Call No.: 448.3 AP5).

0870

Effect of anthracnose leaf blight on stalk rind strength and yield in F1 single crosses in maize (Colletotrichum graminicola).
Zuber, M.S. Ainsworth, T.C.; Blanco, M.H.; Darrah, L.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1981. v. 65 (9). p. 719-722. 10 ref. (NAL Call No.: 1.9 P69P).

0871

Effect of corn genotypes on ear rot infection by Gibberella zeae (Gibberella ear rot, mycotoxins, zearalenone and deoxynivalenol, vomitoxins, degrees of susceptibility to disease due to genetic differences).
Hart, L.P. Gendloff, E.; Rossman, E.C. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1984. v. 68 (4). p. 296-298. Includes references. (NAL Call No.: 1.9 P69P).

0872

The effect of fungicide seed treatments on corn, 1981 (Corn (Zea mays 'Bu3xMo17' and B73xLH38'), seed decay and seedling blight).
Pedersen, W.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 164-165. (NAL Call No.: 464.9 AM31R).

0873

Effect of gene HtN on the development of northern corn leaf blight (Helminthosporium turcicum) epidemics (Resistance, genotypes).
Raymundo, A.D. Hooker, A.L.; Perkins, J.M. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 327-330. 7 ref. (NAL Call No.: 1.9 P69P).

0874

The effect of inoculum density on uredospore germination and infection of corn by Pucinia polysora, the cause of southern corn rust (Abstract only).
Melching, J.S. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1981. v. 71 (7). p. 769. (NAL Call No.: 464.8 P56).

0875

Effect of maize dwarf mosaic virus infection on sweet corn pollen and silk (Zea mays).
Mikel, M.A. D'Arcy, C.J.; Rhodes, A.M.; Ford, R.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1982. v. 72 (4). p. 428-431. ill. Includes 14 ref. (NAL Call No.: 464.8 P56).

0876

Effect of nitrogen fertilizer, planting date, and harvest date on aflatoxin production in corn inoculated with Aspergillus flavus (North Carolina).
Jones, R.K. Duncan, H.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1981. v. 65 (9). p. 741-744. ill. 23 ref. (NAL Call No.: 1.9 P69P).

0877

Effect of second-generation European corn borers on resistance of maize to Diplodia maydis (Ostrinia nubilalis, Zea mays, stalk rot, interactions of pest and disease, host plant resistance).
Jarvis, J.L. Clark, R.L.; Guthrie, W.D. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1149-1152. 19 ref. (NAL Call No.: 464.8 P56).

0878

Effect of seedborne Fusarium moniliforme and irrigation scheduling on colonization of root and stalk tissue, stalk rot incidence, and grain yields (Corn, Zea mays).
El-Meleigi, M.A.CRPSAY. Claflin, L.E.; Raney, R.J. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1025-1028. Includes references. (NAL Call No.: 64.8 C883).

0879

Effect of silk age and incubation temperature on kernel infection by Aspergillus flavus in silk inoculated corn (Abstract only).
Payne, G.A. Thompson, D.L.; Lillehoj, E.B. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 898-899. (NAL Call No.: 464.8 P56).

0880

Effect of symptomless fungal infection of maize seed on germination in the presence and absence of Pythium debaryanum (Diplodia zeae, Fusarium moniliforme, Gibberella zeae, Nigrospora oryzae, Zea mays).
Foley, D.C.PIAIA. Cedar Falls : The Academy. The Proceedings of the Iowa Academy of Science. Dec 1983. v. 90 (4). p. 147-149. Includes references. (NAL Call No.: 500 I093).

0881

Effective control of sweet corn rust--Puccinia sorghi (Fungicides, southern California).
Paulus, A.O. Nelson, J.; Hall, B. Berkeley : The Service. California plant pathology - Cooperative Extension Service, University of California. June 1983. June 1983. (63). p. 3-5. (NAL Call No.: SB599.C3).

0882

Effects of cultural practices on the incidence of head smut in sweet corn (Sphacelotheca reiliana, Zea mays, early irrigation, seeding depth).
Mack, H.J. Baggett, J.R.; Koepsell, P.A. Alexandria : American Society for Horticultural Science. HortScience. Feb 1984. v. 19 (1). p. 77-78. Includes references. (NAL Call No.: SB1.H6).

0883

Effects of dew-period temperature on development of Philippine downy mildew (Peronosclerospora philippinensis) of maize and of temperature on conidial germination (Abstract only).
Bonde, M.R. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1981. v. 71 (7). p. 765. (NAL Call No.: 464.8 P56).

0884

Effects of Helminthosporium maydis race T toxin on mitochondria and protoplasts from T cytoplasm maize.
Earle, E.D. Charlottesville, Va. : Plant Molecular Biology Association, 1982. Maize for biological research / edited by W.F. Sheridan. p. 251-255. Includes references. (NAL Call No.: SB191.M2M327).

0885

Effects of maize dwarf mosaic virus infection of corn on inoculum potential of Helminthosporium maydis race 0 (Zea mays).
Stevens, C.PHYTA. Gudauskas, R.T. St. Paul : American Phytopathological Society. Phytopathology. Mar 1983. v. 73 (3). p. 439-441. Includes references. (NAL Call No.: 464.8 P56).

0886

Effects of plant pathogens on the fate of soil-applied (14C (carbon isotope)) carbofuran in corn plants (Giberella zeae, Puccinia sorghi).
Kunstman, J.L.JEENA. Lightenstein, E.P. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1014-1021. ill. Includes references. (NAL Call No.: 421 J822).

0887

Effects of purified Helminthosporium maydis race T toxin on the structure and function of corn mitochondria and protoplasts.
Gregory, P. Earle, E.D.; Gracen, V.E. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Sept 1980. v. 66 (3). p. 477-481. ill. 22 ref. (NAL Call No.: 450 P692).

0888

Efficacy of chemical control of stalk and ear rot of corn in southwest Kansas, 1980 (Corn (Zea mays 'Prairie Valley 76-S'), stalk rot; Fusarium spp., ear rot; Fusarium spp.).
Lengkeek, V.H. Krouse, L.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 83. (NAL Call No.: 464.9 AM31R).

0889

Efficacy of Dithane M-45 for control of corn rust, 1981 (Corn, sweet (Zea mays var. saccharata 'Pennfresh ADX"Silver Queen"Bi-Queen'), rust; Puccinia sorghi).
MacNab, A.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 66. (NAL Call No.: 464.9 AM31R).

0890

Efficacy of two fungicides labeled for corn rust, 1982 (Puccinia sorghi, Zea mays var. saccharata, maize).
MacNab, A.A.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 97-98. (NAL Call No.: 464.9 AM31R).

0891

An efficient technique for prolonged storage of Phytophthora infestans (Corn).
Goth, R.W. Orono, Me., Potato Association of America. American potato journal. May 1981. v. 58 (5). p. 257-260. 10 ref. (NAL Call No.: 75.8 P842).

0892

Electrophoretic comparison of mitochondrial polypeptides from maize lines susceptible and resistant to helminthosporium maydis race T.
Diano, M. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Sept 3, 1981. v. 66 (17). p. 1217-1221. ill. Includes 13 ref. (NAL Call No.: 450 P692).

0893

Etiolated maize mesocotyls: a tool for investigating disease interactions (Helminthosporium maydis, Helminthosporium carbonum, Zea mays).
Heim, D.PHYTA. Nicholson, R.L.; Pascholati, S.F.; Hagerman, A.E.; Billett, W. St. Paul : American Phytopathological Society. Phytopathology. Mar 1983. v. 73 (3). p. 424-428. ill. Includes references. (NAL Call No.: 464.8 P56).

0894

European corn borer resistance in half-sib families from a sorghum random-mating population (Heritability, Ostrinia nubilalis).
Ross, W.M. Kindler, S.D.; Kofoid, K.D.; Hookstra, G.H.; Guthrie, W.D.; Atkins, R.E. Madison, Crop Science Society of America. Crop science. Sept/Oct 1982. v. 22 (5). p. 973-977. 9 ref. (NAL Call No.: 64.8 C883).

0895

Evaluation of a foliar fungicide for control of anthracnose stalk rot, 1981 (Colletotrichum graminicola on maize, Zea mays).
Lipps, P.E.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 70. (NAL Call No.: 464.9 AM31R).

0896

Evaluation of a seed treatment fungicide for control of Pythium root rot and Gibberella stalk rot of corn, 1981 (Gibberella zeae, Zea mays, maize).
Lipps, P.E.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 26. (NAL Call No.: 464.9 AM31R).

0897

Evaluation of fungicides for control of Exserohilum turcicum 'Race 2' on maize, 1980 (Corn (Zea mays 'A632Ht'), northern corn leaf blight; Exserohilum turcicum Race 2).
Scott, D.H. Akers, D.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 84. (NAL Call No.: 464.9 AM31R).

0898

Evaluation of fungicides for control of southern corn leaf blight, 1982 (Bipolaris maydis, Zea mays).
Scott, D.H.FNETD. Akers, D.P. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 70. (NAL Call No.: 464.9 AM31R).

0899

Evaluation of inoculation techniques and rating dates for Fusarium (moniliforme) ear rot of opaque-2 maize.
Gulya, T.J. Martinson, C.A.; Loesch, P.J. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Nov 1980. v. 70 (11). p. 1116-1118. 24 ref. (NAL Call No.: 464.8 P56).

0900

Evaluation of sampling methods for detecting aflatoxin contamination in small test plots of maize inoculated with Aspergillus flavus (Corn, fungus).
Widstrom, N.W. Wilson, D.M.; McMillan, W.W. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1982. v. 11 (4). p. 655-657. 14 ref. (NAL Call No.: QH540.J6).

0901

Evidence for a new race of the northern corn leaf blight (Helminthosporium turcicum) pathogen in the Everglades Agricultural Area.
Pieczarka, D.J. FL. Belle Glade, Fla., The Center. Belle Glade AREC research report EV.Florida. University. Agricultural Research and Education Center. Oct 1979. Oct 1979. (1979-9). 1 p. (NAL Call No.: 100 F663).

0902

Evidence for an electrostatic mechanism in spore discharge by Drechslera turcica (the cause of northern leaf blight of maize).
Leach, C.M. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1980. v. 70 (3). p. 206-213. ill. 16 ref. (NAL Call No.: 464.8 P56).

0903

Exserohilum turcicum virulent on corn with Ht resistance gene in Ohio.
Lipps, P.E. Hite, R.E. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1982. v. 65 (5). p. 397-398. Includes 9 ref. (NAL Call No.: 1.9 P69P).

0904

External growth, penetration, and development of Cercospora zeae-maydis in corn leaves (Zea mays).
Beckman, P.M. Payne, G.A. St. Paul, American Phytopathological Society. Phytopathology. July 1982. v. 72 (7). p. 810-815. ill. 8 ref. (NAL Call No.: 464.8 P56).

0905

Extracellular sheaths on hyphae of two species of Helminthosporium (victoriae, Helminthosporium maydis, maize, oats).
Wheeler, H. Gantz, D. Bronx, N.Y., The New York Botanical Garden. Mycologia. Nov/Dec 1979. v. 71 (6). p. 1127-1135. ill. 7 ref. (NAL Call No.: 450 M99).

0906

Eyespot of corn.
Nyvall, Robert F. Martinson, Charlie A. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. This publication discusses the cause, symptoms, and control of eyespot of corn. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Pm-963).

0907

Eyespot of corn (caused by the fungus Kabatiella zeae, leaf blight).
Grau, C.R. Heimann, M.F.; Arny, D.C. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3175). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0908

Factors affecting overwintering and epidemiology of Helminthosporium maydis in Illinois corn / by Edward Earl Burns.
Burns, Edward Earl, 1941. 1971. Thesis (Ph.D.)--University of Illinois, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972,. ix, 48 leaves ; 21 cm. Bibliography: leaves 43-48. (NAL Call No.: DISS 72-12,110).

0909

Factors influencing infection by Aspergillus flavus in silk-inoculated corn (Aflatoxin determination).
Jones, R.K. AR-SO. Duncan, H.E.; Payne, G.A.; Leonard, K.J. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1980. v. 64 (9). p. 859-863. ill. 28 ref. (NAL Call No.: 1.9 P69P).

0910

Field corn, corn rootworm larvae control, 1980 (Diabrotica longicornis, Diabrotica virgifera).
Bruss, R.G. Tollefson, J.J. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 145-146. (NAL Call No.: SB950.A1I49).

0911

Field crop disease management.
Ellett, C. Wayne. 1981. This discusses diseases and management practices for their control of corn, soybeans, wheat, oats, and alfalfa. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 4 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: Bul. 631).

0912

Field inoculation of sweet corn with the head smut pathogen (Sphacelotheac reiliana) (Zea mays, disease resistance, vegetable breeding).
Baggett, J.R.HJHSA. Koepsell, P.A. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 67-68. Includes references. (NAL Call No.: SB1.H6).

0913

Field inoculation of sweet corn with the head smut pathogen (Sphacelotheca reiliana) (Disease resistance, vegetable breeding).
Baggett, J.R.HJHSA. Koepsell, P.A. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 67-68. Includes references. (NAL Call No.: SB1.H6).

0914

Field inoculation techniques to evaluate maize for reaction to kernel infection by Aspergillus flavus (Zea mays).
King, S.B. Scott, G.E. St. Paul, American Phytopathological Society. Phytopathology. July 1982. v. 72 (7). p. 782-785. 25 ref. (NAL Call No.: 464.8 P56).

0915

Fungal virus populations in corn smut from Connecticut (Ustilago maydis).
Day, P.R. Bronx, N.Y., New York Botanical Garden. Mycologia. May/June 1981. v. 73 (3). p. 379-391. ill. 13 ref. (NAL Call No.: 450 M99).

0916

Genotypic differences in maize to kernal infection by Fusarium moniliforme (Seedling blight, root, stalk, and ear rots).
King, S.B. Scott, G.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Dec 1981. v. 71 (12). p. 1245-1247. Includes 20 ref. (NAL Call No.: 464.8 P56).

0917

Geographical distribution of downy mildews (Peronosporaceae on maize, grapes, tobacco, in temperate zones, tropics, subtropics).
Weltzien, H.C. London ; New York : Academic Press, c1981. The Downy mildews / edited by D.M. Spencer. p. 31-43. maps. 1 p. ref. (NAL Call No.: SB741.D68D68).

0918

Grain sink size and predisposition of Zea mays (maize) to stalk rot (Gibberella, Fusarium, and Diplodia spp.).
Dodd, J.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. June 1980. v. 70 (6). p. 534-535. 10 ref. (NAL Call No.: 464.8 P56).

0919

Growth and aflatoxin production in shelled corn by the Aspergillus Flavus group as related to relative humidity and temperature / by John H. Hunter.
Hunter, John H. (John Howard), 1939. 1969. Thesis (Ph.D.)--Purdue University, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xi, 115 leaves : ill. ; 21 cm. Bibliography: leaves 83-94. (NAL Call No.: DISS 69-17,191).

0920

Harvesting, drying, and storing blighted corn.
McKenzie, Bruce A. Richey, Clarence B. 1970. This publication explains what blighted corn is and the method used to handle and store the diseased product. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 9 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: AE-78).

0921

Harvesting, storing, and processing gib-infected corn.
Purdue University ~ Cooperative Extension Service. 1972. The purpose of this publication is to help farmers make decisions on Giberrella zeae infected corn. The article gives recommendations pertaining to harvesting, storing, and processing diseased corn. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, West Lafayette, IN 47907. 5 p. (NAL Call No.: ID-87).

0922

Head smut of maize, a new disease in Minnesota (Abstract only).
Stromberg, E.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 906. (NAL Call No.: 464.8 P56).

0923

Helminthosporium carbonum, a cause of stalk rot of corn in Iowa, 1981 (Abstract only).
Vakili, N.G. Booth, G.D. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 910. (NAL Call No.: 464.8 P56).

0924

Helminthosporium leaf blights of corn--the state of the art.
Hooker, A.L. Perkins, J.M. Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1981. 1981. (35th). p. 65-87. 42 ref. (NAL Call No.: 59.9 AM32).

0925

Helminthosporium maydis T toxin decreased calcium transport into mitochondria of susceptible corn (Zea mays, maize, leaf blight).
Kimber, A. Sze, H. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Apr 1984. v. 74 (4). p. 804-809. ill. Includes references. (NAL Call No.: 450 P692).

0926

Helminthosporium maydis T toxin increased membrane permeability to Ca2+ (calcium ion) in susceptible corn mitochondria (Maize, leaf blight).
Holden, M.J. Sze, H. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. May 1984. v. 75 (1). p. 235-237. ill. Includes 16 references. (NAL Call No.: 450 P692).

0927

The heritability of three parasitic fitness attributes of Helminthosporium maydis race T (Southern corn leaf blight, Zea mays).
Hill, J.P. Nelson, R.R. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1982. v. 72 (5). p. 525-528. Includes 13 ref. (NAL Call No.: 464.8 P56).

0928

Host range of Kabatiella zeae, causal agent of eyespot of maize.
Reifschneider, F.J.B. Arny, D.C. St. Paul, Minn., American Phytopathological Society. Phytopathology. June 1980. v. 70 (6). p. 485-487. ill. 9 ref. (NAL Call No.: 464.8 P56).

0929

Host X isolate interactions in corn inbreds inoculated with Cochliobolus carbonum race 3 (Zea mays, maize, virulence, genotype X environment interactions).
Hamid, A.H. Ayers, J.E.; Hill, R.R. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1169-1173. 20 ref. (NAL Call No.: 464.8 P56).

0930

Hybrid differences in estimation of preharvest occurrence of bright greenish-yellow fluorescence and aflatoxin in corn (Fungi, Aspergillus flavus).
Lillehoj, E.B.JEVQA. Manwiller, A.; Whitaker, T.B.; Zuber, M.S. Madison : American Society of Agronomy. Journal of environmental quality. Apr/June 1983. v. 12 (2). p. 216-219. Includes references. (NAL Call No.: QH540.J6).

0931

A hyperparasite of Helminthosporium species isolated from corn, 1981 (Abstract only).
Vakili, N.G. Tiffany, L.H. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 910. (NAL Call No.: 464.8 P56).

0932

Identification of aflatoxin-producing atmospheric isolates of Aspergillus flavus (from several corn production sites in Missouri).
Holtmeyer, M.G. AR-NC. Wallin, J.R. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1980. v. 70 (4). p. 325-327. ill., map. 10 ref. (NAL Call No.: 464.8 P56).

0933

Identificaton of sorghum downy mildew resistance in corn by leaf reaction to conidial inoculum (Peronosclerospora sorghi on Zea mays).
Craig, J. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1982. v. 72 (3). p. 351-352. ill. Includes 3 ref. (NAL Call No.: 464.8 P56).

0934

Improving corn population for grain yield and resistance to leaf blight (caused by Helminthosporium turcicum) and stalk rot (caused by Diplodia maydis).
Miles, J.W. Dudley, J.W.; White, D.G.; Lambert, R.J. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1980. v. 20 (2). p. 247-251. ill. 15 ref. (NAL Call No.: 64.8 C883).

0935

Incidence and distribution of airborne spores of Aspergillus flavus in Missouri (Maize, aflatoxins).
Holtmeyer, M.G. Wallin, J.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 58-60. ill. 19 ref. (NAL Call No.: 1.9 P69P).

0936

Infection of two endosperm mutants of sweet corn by Fusarium moniliforme and its effect on seedling vigor (Zea mays, maize, rot, damping-off and blight pathogen).
Styer, R.C. Cantliffe, D.J. St. Paul : American Phytopathological Society. Phytopathology. Feb 1984. v. 74 (2). p. 189-194. ill. Includes references. (NAL Call No.: 464.8 P56).

0937

The influence of atrazine and alachlor on corn, soil-borne fungi pathogenic to corn, and the severity of diseases of corn incited by Gibberella zeae, Fusarium oxysporum, and Diplodia zeae / by John William Chesebro.
Chesebro, John William, 1942. 1970. Thesis

(Ph.D.)--University of Missouri, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. viii, 98 leaves ; 21 cm. Bibliography: leaves 89-98. (NAL Call No.: DISS 71-3,320).

0938

Influence of differential phosphorus accumulation on corn stalk rot (Fusarium moniliforme).
Porter, R.M. Ayers, J.E.; Johnson, M.W. Jr.; Nelson, P.E. Madison, Wis., American Society of Agronomy. Agronomy journal. Mar/Apr 1981. v. 73 (2). p. 283-287. 17 ref. (NAL Call No.: 4 AM34P).

0939

Influence of environment and plant maturity on gray leaf spot of corn caused by Cercospora zeae-maydis (Zea mays, maize).
Rupe, J.C.PHYTA. Siegel, M.R.; Hartman, J.R. St. Paul : American Phytopathological Society. Phytopathology. Dec 1982. v. 72 (12). p. 1587-1591. 10 ref. (NAL Call No.: 464.8 P56).

0940

Influence of humidity and red-infrared radiation on spore discharge by Drechslera turcica (the cause of northern leaf blight of maize)--additional evidence.
Leach, C.M. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1980. v. 70 (3). p. 192-196. ill. 8 ref. (NAL Call No.: 464.8 P56).

0941

Influence of irrigation and drought stress on invasion by Aspergillus flavus of corn kernels and peanut pods.
Cole, R.J. Hill, R.A.; Blankenship, P.D.; Sanders, T.H.; Garren, K.H. Arlington : Society for Industrial Microbiology. Developments in industrial microbiology. 1982. v. 23. p. 229-236. 1 p. ref. (NAL Call No.: 448.3 D49).

0942

Influence of light on maize anthracnose in the greenhouse (Colletotrichum graminicola).
Schall, R.A. APHIS-AR-NC. Nicholson, R.L.; Warren, H.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1980. v. 70 (10). p. 1023-1026. ill. 31 ref. (NAL Call No.: 464.8 P56).

0943

Influence of naturally occurring marker genes on the ability of Cochliobolus heterostrophus to induce field epidemics of southern corn leaf blight (Zea mays, maize).
Fry, W.E. Yoder, O.C.; Apple, A.E. St. Paul : American Phytopathological Society. Phytopathology. Feb 1984. v. 74 (2). p. 175-178. ill. Includes references. (NAL Call No.: 464.8 P56).

0944

Inheritance of mature plant resistance to Helminthosporium maydis race O in maize (Southern corn leaf blight, chlorotic lesion resistance).
Thompson, D.L. Bergquist, R.R. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 807-811. ill. Includes references. (NAL Call No.: 64.8 C883).

0945

The inheritance of resistance in corn to Cochliobolus carbonum race 3 (Zea mays, maize, leaf spot).
Hamid, A.H. Ayers, J.E.; Hill, R.R. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1173-1177. 16 ref. (NAL Call No.: 464.8 P56).

0946

Inheritance of resistance in maize to Kabatiella zeae (Eyespot disease).
Reifschneider, F.J.B.CRPSA. Arny, D.C. Madison : Crop Science Society of America. Crop science. July/Aug 1982. v. 23 (4). p. 615-616. Includes references. (NAL Call No.: 64.8 C883).

0947

Inheritance of resistance to anthracnose leaf blight (Colletotrichum graminicola) in five inbred lines of corn (Maize).
Carson, M.L. Hooker, A.L. Laramie, The Station. Science monograph - University of Wyoming, Agricultural Experiment Station. May 1981. v. 71 (5). p. 488-491. 15 ref. (NAL Call No.: S131.E2).

0948

Inheritance of resistance to Philippine downy mildew of maize, Peronoclerospora philippinensis.
Kaneko, K. Aday, B.A. Madison, Wis., Crop Science Society of America. Crop science. Sept/Dct 1980. v. 20 (5). p. 590-594. ill. 24 ref. (NAL Call No.: 64.8 C883).

0949

Inheritance of resistance to stalk rot of corn caused by Colletotrichum graminicola.
Carson, M.L. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Nov 1981. v. 71 (11). p. 1190-1196. 35 ref. (NAL Call No.: 464.8 P56).

0950

Interactions of corn tissues with helminthosporium blight fungi / by Jack C. Comstock.
Comstock, Jack C. (Jack Charles), 1943. 1971. Thesis (Ph.D.)--Michigan State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. x, 96 leaves ; 21 cm. Bibliography: leaves 94-96. (NAL Call No.: DISS 72-16,406).

0951

Interference competition and aflatoxin levels in corn (Aspergillus flavus and other species of fungi).
Wicklow, D.T. Hesseltine, C.W.; Shotwell, O.L.; Adams, G.L. St. Paul, Minn., American Phytcpathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 761-764. 15 ref. (NAL Call No.: 464.8 P56).

0952

The issue of races of Colletotrichum graminicola pathogenic to corn.
Nicholson, R.L. Warren, H.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1981. v. 65 (2). p. 143-145. ill. 14 ref. (NAL Call No.: 1.9 P69P).

0953

Laboratory screening for zearalenone formation (by Gibberella zeae) in corn hybrids and inbreds.
Shannon, G.M. AR-NRRC. Shotwell, O.L.; Lyons, A.J.; White, D.G.; Garcia-Aguirre, G. Arlington, Va., The Association. Journal of the Association of Offical Analytical Chemists. Nov 1980. v. 63 (6). p. 1275-1277. 11 ref. (NAL Call No.: 381 AS7).

0954

Leaf surface electrostatics: Apparatus and procedures used under controlled and natural conditions (Beans, maize, active discharge of conisia and sporangia of dry-spored foliar fungal pathogens).
Leach, C.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 701-703. ill. Includes 6 references. (NAL Call No.: 464.8 P56).

0955

Leaf surface electrostatics: behavior of detached leaves of beans, maize, and other plants under natural conditions (Active spore liberation by dry-spored foliar fungal pathogens).
Leach, C.M. Apple, J.D. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 704-709. Includes 18 references. (NAL Call No.: 464.8 P56).

0956

Leaf surface electrostatics: response of detached leaves of beans and maize to humidity and red-infrared radiation under controlled conditions (Dry-spored, foliar, pathogenic fungi, discharge of spores).
Leach, C.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. June 1984. v. 74 (6). p. 695-701. Includes 17 references. (NAL Call No.: 464.8 P56).

0957

Longevity of aspergillus flavus in corn (Fungal mycotoxins, includes other fungal species, Zea mays in the field and in storage).
Hesseltine, C.W. Rogers, R.F. Bronx, N.Y., The New York Botanical Garden. Mycologia. May/June 1982. v. 74 (3). p. 423-426. Includes 6 ref. (NAL Call No.: 450 M99).

0958

Loss of sensitivity to Helminthosporium maydis race T toxin during aging of mitochondria isolated from Texas cytoplasm corn.
Pham, H.N. Gregory, P. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. June 1980. v. 65 (6). p. 1173-1175. ill. 7 ref. (NAL Call No.: 450 P692).

0959

Maize yield losses caused by southern corn rust (Puccinia polysora).
Rodriguez-Ardon, R. Scott, G.E.; King, S.B. Madison, Wis., Crop Science Society of America. Crop science. Nov/Dec 1980. v. 20 (6). p. 812-814. 6 ref. (NAL Call No.: 64.8 C883).

0960

Measuring the relationship between northern corn leaf blight (Helminthosporium turcicum) and yield losses.
Raymundo, A.D. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 325-327. 13 ref. (NAL Call No.: 1.9 P69P).

0961

Mechanism of indole-3-acetic acid oxidase in corn / by William Colilla.
Colilla, William, 1938. 1970. Thesis (Ph.D.)--Southern Illinois University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v, 66 leaves ; 21 cm. Bibliography: leaves 61-65. (NAL Call No.: DISS 71-9,980).

0962

Microflora of field corn (Abstract only).
Hill, R.A. Wilson, D.M.; Widstrom, N.W.; McMillian, W.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 880. (NAL Call No.: 464.8 P56).

0963

Microhumidity chamber for quantitative inoculation of attached corn leaves with fungal pathogens (Zea mays, maize, Colletotrichum graminicola, Helminthosporium maydis).
Bergstrom, G.C.PHYTA. Nicholson, R.L. St. Paul : American Phytopathological Society. Phytopathology. July 1983. v. 73 (7). p. 1040-1042. ill. Includes references. (NAL Call No.: 464.8 P56).

0964

Moldy corn : nutritive value, toxicity and mycoflora with special reference to Fusarium tricinctum (Corda) Snyder et Hansen / by Walter Friedrich Otto Marasas.
Marasas, Walter Friedrich Otto, 1941. 1969. Thesis (Ph.D.)--University of Wisconsin, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xiv, 228 leaves : ill. ; 21 cm. Bibliography: leaves 206-228. (NAL Call No.: DISS 69-16,972).

0965

Morphological development of Physopella zeae on corn (Zea mays, maize).
Bonde, M.R.PHYTA. Bromfield, K.R.; Melching, J.S. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1489-1491. ill. 11 ref. (NAL Call No.: 464.8 P56).

0966

A new race of Helminthosporium turcicum and reaction of sweet corn hybrids to the pathogen (Fungi, Florida).
Pieczarka, D.J. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 281-283. 7 ref. (NAL Call No.: 81 F66).

0967

Northern corn leaf blight...new fungus race threatens Ohio's corn crop (Exserohilum turcicum, synonym: Helminthosporium turcicum).
Lipps, P.E.ORRDA. Wooster : The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Sept/Oct 1982. v. 67 (5). p. 80-82. ill. (NAL Call No.: 100 OH3S (3)).

0968

Parasitism of Sclerophthora macrospora on corn / by Ming-hsien Sun.
Sun, Ming-hsien, 1937. 1971. Thesis (Ph.D.)--Purdue University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. ix, 69 leaves ; 21 cm. Bibliography: leaves 62-63. (NAL Call No.: DISS 72-1,961).

0969

Pathogenicity of Penicillia to corn ears.
Caldwell, R.W. Truite, J.; Carlton, W.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. v. 71 (2). p. 175-180. ill. 36 ref. (NAL Call No.: 464.8 P56).

0970

Physiological studies of helminthosporium carbonum leaf spot disease of maize / by Sigmar Ekkehard Hoffmann.
Hoffmann, Sigmar Ekkehard. 1972. Thesis (Ph.D.)--University of California, Davis, 1972. Photocopy. Ann Arbor, Mich. : University Microfilms, 1973. vi, 116 leaves ; 21 cm. Bibliography: leaves 111-116. (NAL Call No.: DISS 73-8,328).

0971

Plant disease detection and Minnesota crop disease problems (Maize dwarf mosaic virus, soybean cyst nematode, Heterodera glycines, and head scab caused by Fusarium spp.).
Stromberg, E.L. APHIS. Minneapolis, The Council. Crop production conference report - Crop Quality Council.Crop Quality Council. 1978. 1978. (45th). p. 37-40. 2 ref. (NAL Call No.: 464.9 N813).

0972

Planting date, harvest date, and irrigation effects on infection and aflatoxin production by Aspergillus flavus in field corn (Factors predisposing corn to fungal infection).
Jones, R.K. Duncan, H.E.; Hamilton, P.B. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8).

p. 810-816. 32 ref. (NAL Call No.: 464.8 P56).

0973

Population dynamics of Meloidogyne incognita on corn grown in soil infested with Arthrobotrys conoides (in the greenhouse).
Al-Hazmi, A.S. Schmitt, D.P.; Sasser, J.N. Ames, Iowa, Society of Nematologists. Journal of nematology. Jan 1982. v. 14 (1). p. 44-50. Includes 26 ref. (NAL Call No.: QL391.N4J62).

0974

Practices to minimize aflatoxin in corn (Aspergillus flavus, drying).
Glover, J.W. Krenzer, E. Jr. Raleigh, N.C., The Service. AG - North Carolina State University, Agricultural Extension Service. Sept 1980. Sept 1980. (234). 2 p. (NAL Call No.: S544.3.N6N62).

0975

Prehelminthosporol and prehelminthosporol acetate: plant growth regulating properties (Dreschlera sorokiana isolated from maize roots, fungal extracts).
Cutler, H.G. Crumley, F.G.; Cox, R.H.; Davis, E.E.; Harper, J.L.; Cole, R.J.; Sumner, D.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1982. v. 30 (4). p. 658-662. ill. 16 ref. (NAL Call No.: 381 J8223).

0976

Preserving the viability of stored maize seed with fungicides.
Moreno-Martinez, E. Vidal-Gaona, G. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1981. v. 65 (3). p. 260-261. 5 ref. (NAL Call No.: 1.9 P69P).

0977

Production of host-specific toxins by Helminthosporium victoriae and Helminthosporium maydis (pathogens of corn and oats) in liquid shake culture.
Van Etten, J.L. Daly, J.M. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 727-729. ill. 14 ref. (NAL Call No.: 464.8 P56).

0978

Progress report on aflatoxins (Aspergillus flavus and Aspergillus parasiticus, corn contamination).
Byrd, T. NC. Raleigh, The Station. Research and farming - North Carolina Agricultural Research Service.North Carolina. Agricultural Experiment Station. Winter/Spring 1980. v. 38 (3/4). p. 10-11. ill. (NAL Call No.: 100 N81R).

0979

Quantification of Aspergillus flavus growth on inoculated excised kernels of corn genotypes (Zea mays, resistance, aflatoxin control, hybrid evaluation).
Adams, N.J.AGJOAT. Scott, G.E.; King, S.B. Madison : American Society of Agronomy. Agronomy journal. Jan/Feb 1984. v. 76 (1). p. 98-102. ill. Includes references. (NAL Call No.: 4 AM34P).

0980

Race of Helminthosporium turcicum (northern leaf blight) not controlled by Ht genetic resistance in corn in the American corn belt.
Turner, M.T. Johnson, E.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 216-217. ill. 10 ref. (NAL Call No.: 1.9 P69P).

0981

Ranking of partial resistance to common rust (Puccinia sorghi Schr.) in 30 sweet corn (Zea mays) hybrids (Minnesota).
Groth, J.V.CRPTD6. Davis, D.W.; Zeyen, R.J.; Mogen, B.D. Guildford, Eng. : Butterworths. Crop protection. June 1983. v. 2 (2). p. 219-223. Includes references. (NAL Call No.: SB599.C8).

0982

Rapid screening methods for aflatoxin in corn.
Tuite, John. Scott, Donald H.& Plant disease control. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1978. Outlines aflatoxin methods of detection and chemicals and equipments required. 7 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: BP-5-22).

0983

Reaction of corn cultivars to head smut (Sphacelotheca reiliana, Helminthosporium turcicum).
Bockholt, A.J. TX. Frederiksen, R.A.; Foster, J.H.; McClung, A.M. College Station, Tex., The Station. MP - Texas, Agricultural Experiment

Station. June 1980. June 1980. (1455). 17 p. 7 ref. (NAL Call No.: 100 T31M).

0984

Reaction of inbred lines of maize to a natural infection of Puccinia spp.
Simmons, C.E. Jr. Fleming, A.A. (s.l., s.n.). Georgia journal of science. June/Sept 1979. v. 37 (3/4). p. 161-164. 8 ref. (NAL Call No.: Q11.G4).

0985

Reactions of eighty-four sources of chlorotic lesion resistance in corn to three biotypes of Helminthosporium turcicum (northern corn leaf blight, breeding for disease resistance).
Perkins, J.M. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1981. v. 65 (6). p. 502-504. 15 ref. (NAL Call No.: 1.9 P69P).

0986

Reciprocal translocation testcross analysis of genes for anthracnose stalk rot resistance in a corn inbred line (Colletotrichum graminicola on Zea mays).
Carson, M.L. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1982. v. 72 (2). p. 175-177. Includes 25 ref. (NAL Call No.: 464.8 P56).

0987

Relation of husk covering to smut of corn ears by C.H. Kyle.
Kyle, C. H. Washington, D.C. U.S. Dept. of Agriculture 1929. 8 p., 2 leaves of plates : ill. -. Bibliography: p. 6-7. (NAL Call No.: Fiche S-69 no.120).

0988

Relation of maize dwarf mosaic virus infection to increased susceptibility of corn to Helminthosporium maydis race O (Zea mays).
Stevens, C.PHYTA. Gudauskas, R.T. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1500-1502. 16 ref. (NAL Call No.: 464.8 P56).

0989

Relationship of dominant genes in corn for chlorotic lesion resistance to Helminthosporium turcicum.
Hooker, A.L. Tsung, Y.K. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1980. v. 64 (4). p. 387-388. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0990

Research program to determine threat of maize downy mildews to American agriculture (Peronosporaceae).
Bonde, M.R. Amsterdam, Elsevier Scientific Publishing Company. Protection ecology. Nov 1980. v. 2 (3). p. 223-230. ill. 15 ref. (NAL Call No.: S589.7.P7).

0991

Resistance to Pythium debaryanum in Zea mays seedlings (Maize, root rot).
Foley, D.C. Cedar Falls, Iowa, The Academy. The Proceedings of the Iowa Academy of Science. Dec 1980. v. 87 (4). p. 134-138. 10 ref. (NAL Call No.: 500 I093).

0992

The response of corn varieties to the gray leaf spot disease.
Hilty, J.W. TN. Hadden, C.H.; Garden, F.T. Knoxville, The Station. Tennessee farm and home science; progress report - Tennessee Agricultural Experiment Station. Apr/June 1979. Apr/June 1979. (110). p. 9. (NAL Call No.: 100 T25F).

0993

Response to selection for resistance to four diseases in two corn populations (Corn leaf blight, Helminthosporium turcicum,anthracnose leaf blight, stalk rot, Diplodia maydis and Colletotrichum graminicola).
Miles, J.W. Dudley, J.W.; White, D.G.; Lambert, R.J. Madison, Wis., Crop Science Society of America. Crop science. Nov/Dec 1981. v. 21 (6). p. 980-983. 8 ref. (NAL Call No.: 64.8 C883).

0994

Ribonuclease Um1 of Ustilago maydis; purification, characterization and detection in smutted corn / by Thomas Andrew McKeon.
McKeon, Thomas Andrew. Ann Arbor, Mich. University Microfilms International 1979. Thesis--University of California, Berkeley, 1978. Facsimile produced by microfilm-xerography. ix, 140 leaves. Bibliography: leaves 137-140. (NAL Call No.: DISS 79-04,536).

0995

The role of plant stresses in development of corn stalk rots (Fusarium, Diplodia, Gibberella, anthracnose, and charcoal stalk rots).
Dodd, J.L. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1980. v. 64 (6). p. 533-537. ill. 9 ref. (NAL Call No.: 1.9 P69P).

0996

Root diseases induced in corn by Rhizoctonia solani and Rhizoctonia zeae.
Sumner, D.R. Bell, D.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Jan 1982. v. 72 (1). p. 86-91. ill. Includes 29 ref. (NAL Call No.: 464.8 P56).

0997

Scanning EM (electron microscope) studies on the colonization of dent corn by Aspergillus flavus (Zea mays, maize, morphology).
Marsh, S.F. Payne, G.A. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1984. v. 74 (5). p. 557-561. ill. Includes references. (NAL Call No.: 464.8 P56).

0998

Sclerotium production by Aspergillus flavus on corn kernels (Zea mays).
Wicklow, D.T. Horn, B.W. Bronx, N.Y., The New York Botanical Garden. Mycologia. May/June 1982. v. 74 (3). p. 398-403. ill. Includes ref. (NAL Call No.: 450 M99).

0999

Screening corn kernels from Missouri for internal fungi (Abstract only).
Foudin, A.S. Calvert, O.H.; Minor, H.C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 874. (NAL Call No.: 464.8 P56).

1000

Screening maize for resistance to kernel infection by Aspergillus flavus.
King, S.B. Scott, G.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. Abstract only. v. 71 (2). p. 231. (NAL Call No.: 464.8 P56).

1001

Seedborne Fusarium moniliforme and seedling infection in hybrid sweet corn.
Anderegg, J. Guthrie, J.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Nov 1981. v. 71 (11). p. 1196-1198. 7 ref. (NAL Call No.: 464.8 P56).

1002

Single and combined effects of monogenic and polygenic resistance on certain components of northern corn leaf blight development (Helminthosporium turcicum).
Raymundo, A.D. Hooker, A.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Jan 1982. v. 72 (1). p. 99-103. Includes 14 ref. (NAL Call No.: 464.8 P56).

1003

Southern corn leaf blight in Indiana.
Ullstrup, A. J. Richey, C. B.; McKenzie, Bruce A.; Hankins, B. J.; Reiss, William D.; Farris, William S.& A backgrounder. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1970. Outlines handling, feeding, selecting hybrids and economic effects of blight for infected corn. 16 p. (NAL Call No.: Document available from source.).(NAL Call No.: ID 76).

1004

Southern rust and corn maturity (Uredinales).
Duncan, N. Washington, D.C., The Service. Agricultural research - United States Agricultural Research Service. Mar 1982. v. 30 (9). p. 14. (NAL Call No.: 1.98 AG84).

1005

Southern rust (caused by Puccinia polysora) of corn recognized in Kansas.
Sim, T. IV. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1980. v. 64 (5). p. 500. map. 2 ref. (NAL Call No.: 1.9 P69P).

1006

Sporulation and growth of Curvularia pallescens as affected by media, temperature, and nitrogen sources (Leaf spot of maize, Zea mays).
Olufolaji, D.B. St. Paul : American Phytopathological Society. Phytopathology. Mar 1984. v. 74 (3). p. 260-263. Includes references. (NAL Call No.: 464.8 P56).

1007

Stalk rot and lodging of corn.
Johnson, Herbert G. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1976. Outlines losses from stalk and field crop lodging, causes, results and control. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: FS No.3).

1008

Stalk rot of corn: mechanism of predisposition by an early season water stress (Fusarium moniliforme, Zea mays, maize).
Schneider, R.W.PHYTA. Pendery, W.E. St. Paul : American Phytopathological Society. Phytopathology. June 1983. v. 73 (6). p. 863-871. Includes references. (NAL Call No.: 464.8 P56).

1009

Stalk rots of corn and sorghum.
Lengkeek, Venance H. 1979. This publication discusses two types of stalk rot in corn and sorghum, Fusarium and charcoal stalk rot, and their control. Document available from: Distribution Center, Umberger Hall, Kansas State Univ., Manhattan, KS 66506. 1 sheet. (NAL Call No.: AF 46).

1010

Stalk rots of corn and sorghum.
Doupnik, Ben Jr. Dunkle, Larry D.; Wysong, David S.& NebGuide. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1974. Explains early field symptoms and control methods for stalk rots. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: G 74-148).

1011

Storage of high-moisture corn: fungal growth and dry matter loss.
Seitz, L.M. Sauer, D.B.; Mohr, H.E. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. Mar/Apr 1982. v. 59 (2). p. 100-105. ill. Includes 15 ref. (NAL Call No.: 59.8 C33).

1012

Structure and biological activity of a host-specific toxin produced by the fungal corn pathogen Phyllosticta maydis.
Danko, S.J. Kono, Y.; Daly, J.M.; Suzuki, Y.; Takeuchi, S. Easton, Pa. : American Chemical Society. Biochemistry. Feb 14, 1984. v. 23 (4). p. 759-766. ill. Includes references. (NAL Call No.: 381 B523).

1013

Studies of inoculation methods and inheritance of resistance to Diplodia ear rot in corn / by Willy Lucio Villena.
Villena, Willy Lucio, 1930. 1969. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xii, 175 leaves ; 21 cm. Bibliography: leaves 130-134. (NAL Call No.: DISS 71-13,965).

1014

Studies on phyllosticta diseases of corn in Ohio / by James Calvin McFeeley.
McFeeley, James Calvin, 1940. 1971. Thesis (Ph.D.)--Ohio State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. vii, 35 leaves ; 21 cm. Bibliography: leaves 34-35. (NAL Call No.: DISS 72-4,569).

1015

A study of varietal and environmental factors in relation to preharvest aflatoxin contamination of corn growth in the Southeastern United States.
Stoloff, L. Lillejoh, E.B.; Zuber, M.A. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. July 1981. v. 58 (7). p. 582A-583A. (NAL Call No.: 307.8 J82).

1016

Substrate effects on Helminthosporium maydis race T conidium and germ tube morphology (Southern corn leaf blight).
Potter, J.M. Tiffany, L.H.; Martinson, C.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 715-719. ill. 27 ref. (NAL Call No.: 464.8 P56).

1017

Survival of Colletotrichum graminicola (cause of maize anthracnose): Importance of the spore matrix.
Nicholson, R.L. Moraes, W.B.C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1980. v. 70 (3). p. 255-261. ill. 30 ref. (NAL Call No.: 464.8 P56).

1018

Survival of Colletotrichum graminicola in soil (Anthracnose leaf blight and stalk rot of maize (Zea mays)).
Vizvary, M.A. Warren, H.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1982. v. 72 (5). p. 522-525. Includes 12 ref. (NAL Call No.: 464.8 P56).

1019

Sweet corn defoliation disease control with Dithane M-45, 1979 (Sweet corn (Zea mays var. saccharata 'Silver Queen'), rust; Puccinia sorghi, southern corn leaf blight; Helminthosporium maydis, leaf spot; Helminthosporium carbonum).
MacNab, A.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 65. (NAL Call No.: 464.9 AM31R).

1020

Sweet corn rust control with Dithane M-45, 1980 (Corn (sweet) (Zea mays var. saccharata 'Silver Queen'), rust; Puccinia sorghi).
MacNab, A.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 58. (NAL Call No.: 464.9 AM31R).

1021

Symptoms of sorghum downy mildew on maize following inoculations with conidia and oospores (Peronosclerospora sorghi, resistant cultivars).
Salumu-Shabani. Frederiksen, R.A. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1006-1008. ill. 13 ref. (NAL Call No.: 1.9 P69P).

1022

Technique for using isolated corn root cap cells in a simple, quantitative assay for the pathotoxin produced by Helminthosporium maydis race T (Zea mays, maize).
Hawes, M.C.PHYTA. St. Paul : American Phytopathological Society. Phytopathology. Aug 1983. v. 73 (8). p. 1184-1187. Includes references. (NAL Call No.: 464.8 P56).

1023

Thiophene carboxamide fungicides: structure-activity relationships with the succinate dehydrogenase complex from wild-type and carboxin-resistant mutant strains of Ustilago maydis (corn smut).
White, G.A. Thorn, G.D. New York, Academic Press. Pesticide biochemistry and physiology. Aug 1980. v. 14 (1). p. 26-40. ill. 32 ref. (NAL Call No.: SB951.P49).

1024

Time (and mode) of infection of maize kernels by Fusarium moniliforme and Cephalosporium acremonium.
King, S.B. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 796-799. 23 ref. (NAL Call No.: 464.8 P56).

1025

Toxin-producing fungi in corn (Metobolites, mycotoxins, aflatoxins, Aspergillus flavus and Aspergillus parasiticus).
Lillehoj, E.B. Jefferson City, Mo., The Association. Official proceedings of the annual meeting - American Association of Feed Microscopists. 1980. 1980. (28th). p. 29-31. 3 ref. (NAL Call No.: 389.79 AM34).

1026

Transfer from Tripsacum dactyloides to corn of a major gene locus conditioning resistance to Puccinia sorghi (Common rust, breeding for disease resistance).
Bergquist, R.R. Laramie, The Station. Science monograph - University of Wyoming, Agricultural Experiment Station. May 1981. v. 71 (5). p. 518-520. 12 ref. (NAL Call No.: S131.E2).

1027

Transmission of maize weevils (Sitophilus zeamais) of Aspergillus flavus and its survival on selected corn hybrids (Insect vectors).
McMillian, W.W. Widstrom, N.W. Wilson, D.M.; Hill, R.A. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1980. v. 73 (6). p. 793-794. 6 ref. (NAL Call No.: 421 J822).

1028

Use of aflatoxin-producing ability medium to distinguish aflatoxin-producing stains of Aspergillus flavus (Fungi, corn).
Wickow, D.T. Shotwell, O.L.; Adams, G.L. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Mar 1981. v. 41 (3). p. 697-699. 4 ref. (NAL Call No.: 448.3 AP5).

1029

Use of systemic fungicides metalaxyl and fosetyl-Al for control of sorghum downy mildew in corn and sorghum in South Texas. II. Foliar application (Phytotoxicity).
Odvody, G.N. Frederiksen, R.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 608-609. ill. Includes references. (NAL Call No.: 1.9 P69P).

1030

Use of systemic fungicides metalazyl and fosetyl-Al for control of sorghum downy mildew in corn and sorghum in South Texas. I. Seed treatment (Peronosclerospora sorghi, phytotoxicity).
Odvody, G.N. Frederiksen, R.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 604-607. ill. Includes references. (NAL Call No.: 1.9 P69P).

1031

Variability in corn hybrid resistance to preharvest aflatoxin contamination.
Lillehoj, E.B. Zuber, M.S. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. July 1981. v. 58 (7). p. 582A. (NAL Call No.: 307.8 J82).

1032

A variable-spored isolate of Drechslera dactylidis pathogenic on orchardgrass (Dactylis glomerata) and corn (causing severe leaf spot and blotch).
Zeiders, K.E. AR-NE. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 211-213. ill. 12 ref. (NAL Call No.: 1.9 P69P).

1033

Vibrational releases of conidia by Drechslera maydis and Drechslera turcica (the cause of northern leaf blight of maize) related to humidity and red-infrared radiation.
Leach, C.M. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1980. v. 70 (3). p. 196-200. ill. 23 ref. (NAL Call No.: 464.8 P56).

1034

Virulence and isozyme differences for establishing racial identity in rusts of maize (Puccinia sorghi, Puccinia polysora, acid phosphatase and glucose-6-phosphate dehydrogenase banding pattern).
Bergquist, R.R. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1984. v. 68 (4). p. 281-283. ill. Includes references. (NAL Call No.: 1.9 P69P).

1035

Wheat striate mosaic virus found in corn in South Dakota.
Jons, V.L. Timian, R.G.; Gardner, W.S. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. Abstract only. v. 71 (2). p. 229. (NAL Call No.: 464.8 P56).

1036

Yellow rain experts battle over corn mold (Fusarium moniliforme, Arizona).
Marshall, E.SCIEA. Washington : American Association for the Advancement of Science. Science. Aug 3, 1983. v. 217 (4610). p. 526-529. ill. (NAL Call No.: 470 SCI2).

1037

Yield loss of maize caused by Kabatiella zeae (Zea mays, eyespot disease).
Reifschneider, F.J.B.PHYTA. Arny, D.C. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 607-609. Includes references. (NAL Call No.: 464.8 P56).

1038

Zearalenone formation on corn by field inoculation.
Garcia Aguirre, G. White, D.G.; Shotwell, O.L. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. July 1981. v. 58 (7). p. 589A-590A. (NAL Call No.: 307.8 J82).

1039

The 1977 corn-aflatoxin epiphytotic in Alabama.
Gray, F.A. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1982. v. 66 c (3). p. 221-222. Includes 17 ref. (NAL Call No.: 1.9 P69P).

1040

Agglutination of Erwinia stewartii strains with a corn agglutinin: Correlation with extracellular polysaccharide production and pathogenicity.
Bradshaw-Rouse, J.J. Whatley, M.H.; Coplin, D.L.; Woods, A.; Sequeira, L.; Kelman, A. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Aug 1981. v. 42 (2). p. 344-350. ill. (NAL Call No.: 448.3 AP5).

1041

Association of Spiroplasmas with a new disease of corn in California (Leafhopper, Dalbulus maidis).
Kloeppler, J.W. Garrott, D.G.; Kirkpatrick, B.C.; McCutcheon, D.D. Berkeley, Calif., The Service. California plant pathology - Cooperative Extension, University of California. Mar 1982. Mar 1982. (56). p. 5-6. Includes 5 ref. (NAL Call No.: SB599.C3).

1042

Bacterial wilt of corn by Frederick V. Rand and Lillian C. Cash.
Rand, Frederick V. (Frederick Vernon). Washington, D.C. U.S. Dept. of Agriculture 1937. 32 p., 3 leaves of plates : ill. -. Includes bibliographies. (NAL Call No.: Fiche S-69 no.362 1937).

1043

Characterization of plasmids in Erwinia stewartii (Corn flea beetle, Chaetocnema pulicularia).
Coplin, D.L. Rowan, R.G.; Chisholm, D.A.; Whitmoyer, R.E. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Oct 1981. v. 42 (4). p. 599-604. ill. 21 ref. (NAL Call No.: 448.3 AP5).

1044

Chocolate spot of corn in Minnesota (Zea mays, Pseudomonas syringae).
Bowden, R.L. Stromberg, E.L. St. Paul, American Phytopathological Society. Plant disease. Aug 1982. v. 66 (8). p. 744. 8 ref. (NAL Call No.: 1.9 P69P).

1045

Comparison of immunized mouse ascites fluids and rabbit sera in serological tests of two (plant pathogenic) spiroplasmas (Spiroplasma citri and the corn stunt spiroplasma).
Chen, C.S. Chen, T.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1980. v. 70 (4). p. 279-282. ill. 21 ref. (NAL Call No.: 464.8 P56).

1046

Differential pathogenicity of corn stunting mollicutes to leafhopper vectors in Dalbulus and Baldulus species (Baldulus tripsaci, corn stunt spiroplasma, maize bushy stunt mycoplasma, Zea mays).
Madden, L.V.PHYTAJ. Nault, L.R. St. Paul : American Phytopathological Society. Phytopathology. Dec 1983. v. 73 (12). p. 1608-1614. Includes references. (NAL Call No.: 464.8 P56).

1047

Diversity of Corynebacterium nebraskense strains causing Goss's bacterial wilt and blight of corn.
Vidaver, A.K. Gross, D.C.; Wysong, D.S.; Doupnik, B.L. Jr. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1981. v. 65 (6). p. 480-483. ill., map. 21 ref. (NAL Call No.: 1.9 P69P).

1048

Effects of sulfur dioxide on expansion of lesions caused by Corynebacterium nebraskense in maize and by Xanthomonas phaseoli var. sojensis in soybean (Air pollution injuries).
Laurence, J.A. Aluisio, A.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1981. v. 71 (4). p. 445-448. 11 ref. (NAL Call No.: 464.8 P56).

1049

Enzyme-linked immunosorbent assay for the detection of corn stunt spiroplasma in plant and insect tissues.
Raju, B.C. Nyland, G. New York, Springer International. Current microbiology. 1981. v. 5 (2). p. 101-104. 22 ref. (NAL Call No.: QR1.C78).

1050

Factors affecting overwintering and epidemiology of Helminthosporium maydis in Illinois corn / by Edward Earl Burns.
Burns, Edward Earl, 1941. 1971. Thesis (Ph.D.)--University of Illinois, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972,. ix, 48 leaves ; 21 cm. Bibliography: leaves 43-48. (NAL Call No.: DISS 72-12,110).

1051

Goss's wilt and corn lethal necrosis--can they become a major problem? (Corn Belt, in the United States, bacterial wilt and blight, virus disease).
Wysong, D.S. Doupnik, B., Jr.; Lane, L. Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. 1982. (36th). p. 104-152. 33 ref. (NAL Call No.: 59.9 AM32).

1052

Influence of temperature and light on severity of bacterial blight (Pseudomonas avenae) of corn, oats, and wheat.
Schaad, N.W. Sumner, D.R.; Ware, G.O. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1980. v. 64 (5). p. 481-483. ill. 8 ref. (NAL Call No.: 1.9 P69P).

1053

Isolation of the corn stunt spiroplasma from maize in Florida (Serological analysis, electrophoresis patterns of cellular proteins in polyacrylamide gels, pathogenicity, anaerobic atmosphere).
Davis, M.J. Tsai, J.H.; McCoy, R.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 600-604. ill. Includes references. (NAL Call No.: 1.9 P69P).

1054

The lognormal distribution of epiphythic bacterial populations (on corn, rye, beans, tomatoes).
Hirano, S.S. Nordheim, E.V.; Arny, D.C.; Upper, C.D. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. Abstract only. v. 71 (2). p. 225. (NAL Call No.: 464.8 P56).

1055

Maize bushy stunt and corn stunt: a comparison of (mycoplasmas) disease symptoms, pathogen host ranges, and vectors.
Nault, L.R. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1980. v. 70 (7). p. 659-662. ill. 19 ref. (NAL Call No.: 464.8 P56).

1056

Plant molecular vehicles: potential vectors for introducing foreign DNA into plants (Pathogenic bacteria and viruses, genomes, maize, Zea mays).
Howell, S.H. Palo Alto, Calif., Annual Reviews Inc. Annual review of plant physiology. 1982. Literature review. v. 33. p. 609-650. ill. Includes 234 ref. (NAL Call No.: 450 AN78).

1057

Purification and characterization of cryptic plasmids pLS1 and pLS2 from Erwinia chrysanthemi (an organism isolated from maize with bacterial stalk rot).
Sparks, R.B. Jr. Lacy, G.H. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1980. v. 70 (5). p. 369-372. ill. 14 ref. (NAL Call No.: 464.8 P56).

1058

Response of selected maize inbreds to Erwinia stewartii (wilt) and Erwinia zeae (halo blight).
Gardner, C.A.C. AR-NC. Wallin, J.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 168-169. 4 ref. (NAL Call No.: 1.9 P69P).

1059

Scanning electron microscopy of the ingress and establishment of Pseudomonas alboprecipitans in sweet corn leaves.
Gitaitis, R.D. Samuelson, D.A.; Strandberg, J.O. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. v. 71 (2). p. 171-175. ill. 14 ref. (NAL Call No.: 464.8 P56).

1060

Stalk rots of corn and sorghum.
Doupnik, Ben Jr. Dunkle, Larry D.; Wysong, David S.& NebGuide. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1974. Explains early field symptoms and control methods for stalk rots. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: G 74-148).

1061

Ultrastructural investigation of resistant and susceptible maize inbreds infected with Erwinia stewartii (Bacterial wilt and leaf blight).
Braun, E.J. St. Paul, Minn., American Phytopathological Society. Phytopathology. Jan 1982. v. 72 (1). p. 159-166. ill. Includes 23

ref. (NAL Call No.: 464.8 P56).

1062

Virus and mycoplasma diseases of corn in Florida.
Niblett, C.L. Tsai, J.H.; Falk, B.W.
Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. 1982. (36th). p. 78-88. ill. 21 ref. (NAL Call No.: 59.9 AM32).

1063

Worms? No, spiroplasmas! (Corn stunt and stubborn disease of citrus trees).
McBride, J. SEA-WO~AR-BARC. Washington, D.C., The Administration. Agricultural research - U.S. Department of Agriculture, Science and Education Administration. July 1980. v. 29 (1). p. 12. ill. (NAL Call No.: 1.98 AG84).

1064

Zea diploperennis: a primitive relative offers new traits to improve corn (Includes viral and mycoplasmal disease resistance).
Nault, L.R. Findley, W.R. Superior, Ariz., University of Arizona. Desert plants. Winter 1981/1982. v. 2 (4). p. 203-205. ill. (NAL Call No.: QK938.D4D4).

1065

Assay for maize stripe virus-infected plants by using antiserum produced to a purified noncapsid protein (Zea mays).
Falk, B.W.PHYTA. Tsai, J.H. St. Paul : American Phytopathological Society. Phytopathology. Sept 1983. v. 73 (9). p. 1259-1262. ill. Includes references. (NAL Call No.: 464.8 P56).

1066

Assays for viruses and mycoplasmas infecting maize.
Gingery, R.E. Gordon, D.T. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 19-24. ill. (NAL Call No.: 100 G29SO).

1067

Bioactivity of systemic insecticides in corn and relationship to corn stunt disease / by Keshav M. Bhirud.
Bhirud, Keshav M. (Keshav Mitharam), 1942. 1971. Thesis (Ph.D.)--Mississippi State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. viii, 91 leaves ; 21 cm. Bibliography: leaves (84)-91. (NAL Call No.: DISS 71-27,026).

1068

Biology of Delphacodes campestris (Homoptera: Delphacidae) (on cereal grains, maize and grasses, potential maize virus vector).
Stoner, W.N. AR-NC. Gustin, R.D. College Park, Md., The Society. Annals of the Entomological Society of America. July 1980. v. 73 (4). p. 372-374. ill. 6 ref. (NAL Call No.: 420 EN82).

1069

Brandes: a source of resistance to maize dwarf mosaic in swet sorghum (Abstract only).
Zummo, N. Freeman, K.C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 914. (NAL Call No.: 464.8 P56).

1070

Breeding for disease resistance in corn (Virus).
Findley, W.R. Josephson, L.M.; Dollinger, E.J. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). pk. 137-140. (NAL Call No.: 100 G29SO).

1071

Characteristics of maize stripe virus transmission by the corn delphacid (Peregrinus maidis, vector).
Tsai, J.H. Zitter, T.A. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). P. 397-400. Includes 1 p. ref. (NAL Call No.: 421 J822).

1072

Chemical and physical properties of maize viruses.
Gingery, R.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 38-39. (NAL Call No.: 100 G29SO).

1073

Control strategies for vectors of virus and viruslike pathogens of maize and sorghum.
All, J.N. Kuhn, C.W.; Jellum, M.D. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 127-131. (NAL Call No.: 100 G29SO).

1074

Corn lethal necrosis.
Claflin, Larry. 1978. This publication describes the symptoms, vectors, and control of the corn virus Corn Lethal Necrosis. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 1 p. (NAL Call No.: L513).

1075

Corn stunt spiroplasma (Virus and viruslike diseases of maize).
Davis, R.E. Chen, T.A.; Worley, J.F. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 40-50. ill. (NAL Call No.: 100 G29SO).

1076

Detection of maize chlorotic mottle virus serotypes by enzyme-linked immunosorbent assay.
Uyemoto, J.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1980. v. 70 (4). p. 290-292. ill. 20 ref. (NAL Call No.: 464.8 P56).

1077

Determination of the number of genes for resistance to maize dwarf mosaic virus strain A in five corn inbred lines (Zea mays).
Rosenkranz, E.PHYTAJ. Scott, G.E. St. Paul : American Phytopathological Society. Phytopathology. Jan 1984. v. 74 (1). p. 71-76. Includes references. (NAL Call No.: 464.8 P56).

1078

Disease response of sweet corn hybrids derived from dent corn resistant to maize dwarf mosaic virus (Zea mays).
Anzola, D. Romaine, C.P.; Gregory, L.V.; Ayers, J.E. St. Paul, American Phytopathological Society. Phytopathology. June 1982. v. 72 (6). p. 601-604. 14 ref. (NAL Call No.: 464.8 P56).

1079

Effect of field distribution of maize dwarf mosaic-diseased corn plants on yield (Mississippi).
Scott, G.E. Rosenkranz, E.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1981. v. 65 (10). p. 802-803. (NAL Call No.: 1.9 P69P).

1080

Effect of inoculation with maize dwarf mosaic virus at several growth stages on yield of sweet corn (Zea mays).
Gregory, L.V. Ayers, J.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1982. v. 66 (9). p. 801-804. 16 ref. (NAL Call No.: 1.9 P69P).

1081

Effect of maize dwarf mosaic virus infection on yield and stalk strength of corn in the field in South Carolina.
Kingsland, G.C. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1980. v. 64 (3). p. 271-273. ill. 8 ref. (NAL Call No.: 1.9 P69P).

1082

Effect of mineral oil and a systemic insecticide on field spread of aphid-borne maize dwarf mosaic virus in sweet corn.
Ferro, D.N. MacKenzie, J.D.; Margolies, D.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 730-735. ill. 17 ref. (NAL Call No.: 421 J822).

1083

Effect of soil-applied carbofuran on transmission of maize chlorotic dwarf virus and maize dwarf mosaic virus to susceptible field corn hybrid (Blackfaced leafhopper, Graminella nigrifrons, Rhopalosiphum maidis, Zea mays).
Rains, B.D.JEENA. Christensen, C.M. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 290-293. Includes references. (NAL Call No.: 421 J822).

1084

Effect of temperature on susceptibility of normal and aberrant ratio corn stocks to barley stripe mosaic and wheat streak mosaic viruses (Virus-induced mutations).
Brakke, M.K. Samson, R. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 823-824. 7 ref. (NAL Call No.: 464.8 P56).

1085

Effectiveness of resistance to maize dwarf mosaic and maize chlorotic dwarf viruses in maize (Corn).
Scott, G.E. Rosenkranz, E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1981. v. 71 (9). p. 937-941. 15 ref. (NAL Call No.: 464.8 P56).

1086

Effects of maize dwarf mosaic virus infection of corn on inoculum potential of Helminthosporium maydis race O (Zea mays).
Stevens, C.PHYTA. Gudauskas, R.T. St. Paul : American Phytopathological Society. Phytopathology. Mar 1983. v. 73 (3). p. 439-441. Includes references. (NAL Call No.: 464.8 P56).

1087

Effects of maize dwarf mosaic virus on water relations of corn / Donald Wayne Lindsey.
Lindsey, Donald Wayne. 1972. Thesis--Auburn University. Photocopy of typescript. Ann Arbor: University Microfilms, 1973. xi, 71 leaves. Bibliography: leaves 41-46. (NAL Call No.: DISS 73-5,222).

1088

Electron microscopy of viruses and virus-infected cells of maize.
Bradfute, O.E. Robertson, D.C. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 25-32. ill. (NAL Call No.: 100 G29SO).

1089

Environmental factors influencing disease development: Corn diseases caused by viruses and spiroplasma.
Ford, R.E. Milbrath, G.M. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 88-91. (NAL Call No.: 100 G29SO).

1090

Epiphytology of maize virus diseases.
Knoke, J.K. Louie, R. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 92-102. ill. (NAL Call No.: 100 G29SO).

1091

Evaluation of sweet corn hybrids for virus resistance, yield, and ear quality, 1981.
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville, Ark., The Station. Report series - Arkansas Agricultural Experiment Station. Feb 1982. Feb 1982. (267). 7 p. (NAL Call No.: 100 AR42R).

1092

Evaluation of sweet corn hybrids for virus resistance, yield, and ear quality, 1981.
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville, Ark., The Station. Report series - Arkansas Agricultural Experiment Station. Feb 1982. Feb 1982. (267). 7 p. (NAL Call No.: 100 AR42R).

1093

Evaluation of sweet corn hybrids for yield and ear quality when grown under virus disease conditions, 1982 (Arkansas).
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville : The Station. Report series - Arkansas Agricultural Experiment Station. Dec 1982. Dec 1982. (278). 7 p. (NAL Call No.: 100 AR42R).

1094

Exotic virus and virusike diseases of maize.
Damsteegt, V.D. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 110-123. ill. (NAL Call No.: 100 G29SO).

1095

Feeding behavior of Graminella nigrifrons (Forbes) (a vector of maize, Zea mays, chlorotic dwarf virus).
Triplehorn, B.W. Nault, L.R.; Horn, D.J. College Park : The Society. Annals of the Entomological Society of America. Jan 1984. v. 77 (1). p. 102-107. Includes references. (NAL Call No.: 420 EN82).

1096

Genetic analysis of resistance of corn (Zea mays L.) inbreds and hybrids to the maize dwarf mosaic virus disease / by Balasundara Naidu.
Naidu, Balasundara, 1936. 1971. Thesis (Ph.D.)--University of Tennessee, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. xxi, 167 leaves ; 21 cm. Bibliography: leaves 161-166. (NAL Call No.: DISS 72-5,469).

1097

Genetics of resistance in corn (Virus and viruslike diseases).
Scott, G.E. Findley, W.R.; Dollinger, E.J. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 141-144. (NAL Call No.: 100 G29SO).

1098

Genetics of resistance of two dent corn inbreds to maize dwarf mosaic virus and transfer of resistance into sweet corn (Zea mays).
Mikel, M.A. D'Arcy, C.J.; Rhodes, A.M.; Ford, R.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. 1984. v. 74 (4). p. 467-473. Includes references. (NAL Call No.: 464.8 P56).

1099

Goss's wilt and corn lethal necrosis--can they become a major problem? (Corn Belt, in the United States, bacterial wilt and blight, virus disease).
Wysong, D.S. Doupnik, B., Jr.; Lane, L. Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. 1982. (36th). p. 104-152. 33 ref. (NAL Call No.: 59.9 AM32).

1100

Host range and seed transmisssion studies of maize chlorotic mottle virus in grasses and corn.
Bockelman, D.L. Claflin, L.E.; Uyemoto, J.K. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1982. v. 66 c (3). p. 216-218. Includes 13 ref. (NAL Call No.: 1.9 P69P).

1101

Host range of maize dwarf mosaic virus.
Rosenkranz, E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 152-162. (NAL Call No.: 100 G29SO).

1102

Inheritance of resistance to corn stunt / by Lloyd Russel Nelson.
Nelson, Lloyd Russel, 1942. 1971. Thesis (Ph.D.)--Mississippi State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. (vii), 48 leaves ; 21 cm. Bibliography: leaves (46)-48. (NAL Call No.: DISS 71-27,035).

1103

Inheritance of resistance to maize dwarf mosaic virus in maize inbred line Oh7B (Zea mays).
Roane, C.W.PHYTA. Tolin, S.A.; Genter, C.F. St. Paul : American Phytopathological Society. Phytopathology. June 1983. v. 73 (6). p. 845-850. ill. Includes references. (NAL Call No.: 464.8 P56).

1104

Introduction: History, geographical distribution, pathogen characteristics, and economic importance (Corn virus diseases).
Gordon, D.T. Bradfute, O.E.; Gingery, R.E.; Knoke, J.K.; Louie, R.; Nault, L.R.; Scott, G.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 1-12. (NAL Call No.: 100 G29SO).

1105

Investigations of the vulnerability of U.S. maize to maize streak virus (Cicadulina mbila, vectors).
Damsteegt, V.D. Amsterdam, Elsevier Scientific Publishing Company. Protection ecology. Nov 1980. v. 2 (3). p. 231-238. 18 ref. (NAL Call No.: S589.7.P7).

1106

Irrigated corn as a source of barley yellow dwarf virus and vector in eastern Washington (Zea mays, maize, Macrosiphum avenae, Rhopalosiphum padi).
Brown, J.K.PHYTAJ. Wyatt, S.D.; Hazelwood, D. St. Paul : American Phytopathological Society. Phytopathology. Jan 1984. v. 74 (1). p. 46-49. Includes references. (NAL Call No.: 464.8 P56).

1107

Leafhopper transmission and host range of maize rayado fino virus.
Nault, L.R. AR-NC. Gingery, R.E.; Gordon, D.T. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 709-712. 29 ref. (NAL Call No.: 464.8 P56).

1108

Maize chlorotic mottle and maize dwarf mosaic viruses: effect of single and double inoculations on symptomatology and yield (Hybrids).
Uyemoto, J.K. Claflin, L.E.; Wilson, D.L.; Raney, R.J. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 39-41. 6 ref. (NAL Call No.: 1.9 P69P).

1109

Maize chlorotic mottle virus and corn lethal necrosis disease.
Uyemoto, J.K. Claflin, L.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 163-165. (NAL Call No.: 100 G29SO).

1110

Maize chlorotic mottle virus and crop rotation: effect of sorghum on virus incidence.
Phillips, N.J. Uyemoto, J.K.; Wilson, D.L. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1982. v. 65 (5). p. 376-379. Includes 22 ref. (NAL Call No.: 1.9 P69P).

1111

Maize dwarf mosaic.
Rest, E.B. IL. Mikel, M.A.; D'Arcy, C.J.; Rhodes, A.M. Urbana, The Station. Illinois research - Illinois Agricultural Experiment Station. Summer 1980. v. 22 (3). p. 12-13. ill. (NAL Call No.: 100 IL64).

1112

Maize dwarf mosaic.
Ullstrup, A. J. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1969. Includes dwarf mosaic symptoms, cause and control. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext.Circular 536).

1113

Maize dwarf mosaic of corn and sorghum (sugarcane mosaic) (Virus diseases, California).
Hall, D.H. Paulus, A.O. Berkeley : The Service. Leaflet - University of California, Cooperative Extension Service. Apr 1982. Apr 1982. (2859,rev.). 2 p. ill. (NAL Call No.: S544.3.C2C3).

1114

Maize Dwarf Mosaic Virus.
Claflin, Larry. 1976. This publication discusses the corn and sorghum symptoms, insect carriers, host plants, & control of Maize Dwarf Mosaic Virus. Document available from: Distribution Center, Umberger Hall, Kansas State Univ., Manhattan, KS 66506. 1 sheet. (NAL Call No.: L481).

1115

Maize dwarf mosaic virus : purification, some physical properties, and yield of virus from several corn hybrids / by Ronald Klair Jones.
Jones, Ronald Klair, 1939. 1971. Thesis (Ph.D.)--Virginia Polytechnic Institute and State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. vi, 53 leaves ; 21 cm. Bibliography: leaves 44-48. (NAL Call No.: DISS 71-28,940).

1116

Maize dwarf mosaic virus in Idaho.
Forster, R.L. Stoltz, R.L.; Fenwick, H.S.; Simpson, W.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1980. v. 64 (4). p. 410-411. ill., map. 4 ref. (NAL Call No.: 1.9 P69P).

1117

Maize dwarf mosaic virus in Michigan.
Singh, B.P. AR-NC. Gordon, D.T. St. Paul, Minn., American Phytopathological Society. Plant disease. July 1980. v. 64 (7). p. 704-705. 22 ref. (NAL Call No.: 1.9 P69P).

1118

Maize dwarf mosaic virus: symptomatology and yield reactions of susceptible and resistant sweet corns (Aphid vector, Rhopalosiphum maidis, Myzus persicae, Macrosiphum euphorbiae).
Straub, R.W. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 318-323. ill. Includes references. (NAL Call No.: QL461.E532).

1119

Maize stripe virus: characteristics of a member of a new virus class.
Gingery, R.E. Nault, L.R.; Bradfute, O.E. New York, Academic Press. Virology. July 15, 1981. v. 112 (5). p. 99-108. ill. 23 ref. (NAL Call No.: 448.8 V81).

1120

Maize vectors (Virus).
Nault, L.R. Knoke, J.K. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 77-84. ill., map. (NAL Call No.: 100 G29SO).

1121

Maize white line mosaic virus in Ohio.
Louie, R. Gordon, D.T.; Knoke, J.K.; Gingery, R.E.; Bradfute, O.E.; Lipps, P.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1982. v. 66 (2). p. 167-170. Includes 11 ref. (NAL Call No.: 1.9 P69P).

1122

Molecular characterization of Shrunken mutations in Zea mays associated with virus infection.
Dellaporta, S.L. Wood, J.; Hicks, J.B.; Mottinger, J.P.; Chomet, P.S. Cold Spring Harbor, N.Y. : Cold Spring Harbor Laboratory, c1983. Plant infectious agents : viruses, viroids, virusoids, and satellites / edited by H.D. Robertson ... (et al.). p. 130-135. ill. Includes references. (NAL Call No.: SB736.P56).

1123

New hosts as possible reservoirs of maize dwarf mosaic virus strain (Abstract only).
Rosenkranz, E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 901. (NAL Call No.: 464.8 P56).

1124

New media for rapid growth of Spiroplasma citri and corn stunt spiroplasma (Zea mays, maize, Catharanthus roseus, citrus stubborn disease).
Lee, I.M.PHYTAJ. Davis, R.E. St. Paul : American Phytopathological Society. Phytopathology. Jan 1984. v. 74 (1). p. 84-89. ill. Includes references. (NAL Call No.: 464.8 P56).

1125

A new method to determine the number of genes for resistance to maize dwarf mosaic in maize.
Scott, G.E. Rosenkranz, E. Madison, Wis., Crop Science Society of America. Crop science. July/Aug 1982. v. 22 (4). p. 756-761. 5 ref. (NAL Call No.: 64.8 C883).

1126

A new mosaic disease of corn.
Boothroyd, C.W. Israel, H.W. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 218-219. ill. 7 ref. (NAL Call No.: 1.9 P69P).

1127

Occurrence of American wheat striate mosaic virus in corn.
Jons, V. APHIS. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1980. v. 64 (6). p. 524. (NAL Call No.: 1.9 P69P).

1128

Occurrence of four aphid vectors of maize dwarf mosaic virus in southeastern New York.
Straub, R.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 156-158. ill. 6 ref. (NAL Call No.: 421 J822).

1129

Performance of corn hybrids exposed to corn viruses in Ohio in 1979.
Findley, W.R. OH. Knoke, J.K.; Louie, R.; Ryder, G.J.; Dollinger, E.J. Wooster, The Center. Agronomy Department series - Ohio Agricultural Research and Development Center. Jan 1980. Jan 1980. (213). 9 p. (NAL Call No.: 100 OH32).

1130

Performance of corn hybrids exposed to corn viruses in Ohio in 1980.
Findley, W.R. Louie, R.; Knoke, J.K.; Ryder, G.J. Wooster, The Center. Agronomy Department series - Ohio Agricultural Research and Development Center. Jan 1981. Jan 1981. (213). 8 p. (NAL Call No.: 100 OH32).

1131

Physicochemical characterization of maize mosaic virus (Zea mays, Peregrinus maidis, planthopper vector).
Falk, B.W.PHYTA. Tsai, J.H. St. Paul : American Phytopathological Society. Phytopathology. Nov 1983. v. 73 (11). p. 1536-1539. ill. Includes references. (NAL Call No.: 464.8 P56).

1132

Physiology of disease (Maize dwarf mosaic virus infection in corn).
Gudauskas, R.T. Ford, R.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 85-87. (NAL Call No.: 100 G29SO).

1133

Plant disease detection and Minnesota crop disease problems (Maize dwarf mosaic virus, soybean cyst nematode, Heterodera glycines, and head scab caused by Fusarium spp.).
Stromberg, E.L. APHIS. Minneapolis, The Council. Crop production conference report - Crop Quality Council.Crop Quality Council. 1978. 1978. (45th). p. 37-40. 2 ref. (NAL Call No.: 464.9 N813).

1134

Plant molecular vehicles: potential vectors for introducing foreign DNA into plants (Pathogenic bacteria and viruses, genomes, maize, Zea mays).
Howell, S.H. Palo Alto, Calif., Annual Reviews Inc. Annual review of plant physiology. 1982. Literature review. v. 33. p. 609-650. ill. Includes 234 ref. (NAL Call No.: 450 AN78).

1135

The predisposing effect of maize dwarf mosaic virus infectin in corn.
Stevens, C. Gudauskas, R.T. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Winter 1980. v. 27 (4). p. 15. ill. (NAL Call No.: 100 AL1H).

1136

The productiveness of corn as influenced by the mosaic disease by Hugo F. Stoneberg.
Stoneberg, Hugo F. Washington, D.C. U.S. Dept. of Agriculture 1927. 18 p. : ill. -. (NAL Call No.: Fiche S-69 no.10).

1137

Properties of the nucleoprotein associated with maize white line mosaic in Wisconsin (Corn).
De Zoeten, G.A. Arny, D.C.; Grau, C.R.; Saad, S.M.; Gaard, G. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1980. v. 70 (10). p. 1019-1022. ill. 10 ref. (NAL Call No.: 464.8 P56).

1138

Purification and comparative serology of the maize dwarf mosaic and sugarcane mosaic viruses / by Theodore Edward Snazelle.
Snazelle, Theodore Edward, 1941. 1970. Thesis (Ph.D.)--Purdue University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xiii, 163 leaves ; 21 cm. Bibliography: leaves 157-162. (NAL Call No.: DISS 71-9,470).

1139

Purification and partial characterization of maize dwarf mosaic virus strain A.
Von Baumgarten, G. Ford, R.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Jan 1981. v. 71 (1). p. 36-41. ill. 22 ref. (NAL Call No.: 464.8 P56).

1140

Purification and properties of an isolate of maize rayado fino virus from the United States (Transmission by the leafhopper Dalbulus maidis).
Gingery, R.E.PHYTA. Gordon, D.T.; Nault, L.R. St. Paul : American Phytopathological Society. Phytopathology. Oct 1982. v. 72 (10). p. 1313-1318. ill. 36 ref. (NAL Call No.: 464.8 P56).

1141

The reaction of sweet corn hybrids to maize dwarf mosaic virus strains and maize chlorotic dwarf virus (transmitted principally by Graminella nigrifrons, resistance trials, comparisons, Ohio).
Knoke, J.K. Anderson, R.J.; Findley, W.R.; Louie, R.; Abt, J.J.; Gordon, D.T. Wooster : The Center. Research bulletin - Ohio Agricultural Research and Development Center. Nov 1981. Nov 1981. (1135). 22 p. 28 ref. (NAL Call No.: 100 OH3S (2)).

1142

Regional coordination of scientists' initiatives in interdisciplinary research (Corn virus research as an example).
Barnes, J.M. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1982. 1982. (19). p. 135-138. (NAL Call No.: S1.M52).

1143

Relation of maize dwarf mosaic virus infection to increased susceptibility of corn to Helminthosporium maydis race O (Zea mays).
Stevens, C.PHYTA. Gudauskas, R.T. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1500-1502. 16 ref. (NAL Call No.: 464.8 P56).

1144

Relationship of corn leaf aphid (Rhopalosiphum maidis) and maize dwarf mosaic disease to sweet corn yields in southeastern New York.
Straub, R.W. Boothroyd, C.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 92-95. ill. 16 ref. (NAL Call No.: 421 J822).

1145

Remote sensing of virus diseased corn and sorghum.
Hilty, J.W. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 124-126. (NAL Call No.: 100 G29SO).

1146

Researchers study an exotic perennial corn.
San Francisco, California Farmer Publishing Co. California farmer. Feb 21, 1981. v. 254 (4). p. 32-F - 32-G. (NAL Call No.: S1.C185).

1147

Resistance to maize mosaic virus.
Brewbaker, J.L. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 145-151. ill. (NAL Call No.: 100 G29SO).

1148

Response of annual and perennial teosintes (Zea) to six maize viruses.
Nault, L.R. Gordon, D.T.; Damsteegt, V.D.; Iltis, H.H. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1982. v. 66 (1). p. 61-62. 14 ref. (NAL Call No.: 1.9 P69P).

1149

Response of sorghum, millet and corn to different strains of sugarcane mosaic virus and strain A of maize dwarf mosaic virus / by Syed Fazal Imam Fazli.
Fazli, Syed Fazal Imam, 1934. 1971. Thesis--Texas A&M University. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. xviii, 148 leaves : ill. Bibliography: leaves 133-138. (NAL Call No.: DISS 72-5656).

1150

Rubidium as a marker and simulated inoculum for the black-faced leafhopper, Graminella nigrifrons, the primary vector of maize chlorotic dwarf virus of corn.
Alverson, D.R. All, J.N.; Bush, P.B. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1980. v. 9 (1). p. 29-31. ill. 16 ref. (NAL Call No.: QL461.E532).

1151

Simulated intrafield dispersal of maize chlorotic dwarf virus by Graminella nigrifrons (leafhopper vector) with a rubidium marker.
Alverson, D.R. USDA. All, J.N.; Kuhn, C.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 734-737. ill. 16 ref. (NAL Call No.: 464.8 P56).

1152

Solid stream inocula for transmission of maize dwarf mosaic virus (Abstract only).
Louie, R. Knoke, J.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 891. (NAL Call No.: 464.8 P56).

1153

Sorghum stunt mosaic (Insect vectors, Graminella sonora, maize).
Mayhew, D.E. Flock, R.A. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1981. v. 65 (1). p. 84-86. ill. 7 ref. (NAL Call No.: 1.9 P69P).

1154

Sources of disease resistance in corn (Virus).
Josephson, L.M. Scott, G.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 132-136. (NAL Call No.: 100 G29SO).

1155

Spatial distribution of the migrants of the corn delphacid, Peregrinus maidis (Ashmead) (Homoptera:Delphacidae) in cornfields (Maize mosaic virus, Hawaii).
Takara, J.PHESA. Nishida, T. Honolulu : The Society. Proceedings of the Hawaiian Entomological Society. Oct 15, 1983. v. 24 (2/3). p. 327-333. ill. Includes references. (NAL Call No.: 420 H312).

1156

The spread of maize dwarf mosaic virus from johnsongrass to maize (Abstract only).
Knoke, J.K. Louie, R.; Madden, L.V.; Gorden, D.T. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 886. (NAL Call No.: 464.8 P56).

1157

Stable and unstable mutations associated with virus infection in maize.
Mottinger, J.P. Dellaporta, S.L. Cold Spring Harbor, N.Y. : Cold Spring Harbor Laboratory, c1983. Plant infectious agents : viruses, viroids, virusoids, and satellites / edited by H.D. Robertson ... (et al.). p. 126-129. Includes references. (NAL Call No.: SB736.P56).

1158

Status of corn lethal necrosis (virus diseases in the United States): 1979 update.
Doupnik, B. Jr. Washington, D.C., American Seed Trade Association. Proceedings of the ... annual corn and sorghum research conference.American Seed Trade Association. Corn and Sorghum Division. Corn and Sorghum Research Conference. 1979. 1979. (34th). p. 16-24. ill. 16 ref. (NAL Call No.: 59.9 AM32).

1159

Study of vectors and vector-virus relationships of a mosaic virus on corn in Mississippi / by Krishan Kumar Shaunak.
Shaunak, Krishan Kumar, 1938. 1970. Thesis (Ph.D.)--Mississippi State University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. vi, 46 leaves ; 21 cm. Bibliography: leaves 44-46. (NAL Call No.: DISS 71-1,197).

1160

Sugary (su) sweet corn germplasm with resistance to the maize dwarf mosaic virus.
Mikel, M.A.HJHSA. D'Arcy, C.J.; Rhodes, A.M.; Carey, E.E.; Juvik, J.A. Alexandria : American Society for Horticultural Science. HortScience. Dec 1983. v. 18 (6,sec.1). p. 964-965. Includes references. (NAL Call No.: SB1.H6).

1161

Susceptibility of maize dwarf mosaic virus-infected sorghum and corn to Helminthosporium maydis Nisikado and Miyake / Surendra Pal Singh Beniwal.
Beniwal, Surendra Pal Singh, 1945. 1972. Thesis (Ph.D.)--Auburn University, 1972. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. xiii, 72 leaves ; 21 cm. Bibliography: leaves 31-36. (NAL Call No.: DISS 72-23,619).

1162

Symptoms and disease diagnosis (Of maize viral diseases).
Louie, R. Knoke, J.K. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 13-18. ill. (NAL Call No.: 100 G29SO).

1163

Testing sweet corn hybrids for virus resistance.
Dale, J.L. McFerran, J.; Wann, E.V.; Bona, R.L. Fayetteville : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1982. 1982. (103rd). p. 79-83. Includes references. (NAL Call No.: SB21.A7A7).

1164

Tests of oil sprays for suppression of aphid-borne maize dwarf mosaic virus in Ohio sweet corn (Schizaphis graminum).
Szatmari-Goodman, G. Nault, L.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 144-149. ill. Includes references. (NAL Call No.: 421 J822).

1165

Ultrastructure of Zea mays 'N28' naturally infected with maize dwarf mosaic virus and wheat striate mosaic virus.
Gardner, W.S. Timian, R.G.; Jons, V.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. Abstract only. v. 71 (2). p. 217-218. (NAL Call No.: 464.8 P56).

1166

Vector relationship of Graminella nigrifrons to maize chlorotic dwarf virus (Leafhopper vector, Zea mays).
Choudhury, M.M.PHYTA. Rosenkranz, E. St. Paul : American Phytopathological Society. Phytopathology. May 1983. v. 73 (5). p. 685-690. Includes references. (NAL Call No.: 464.8 P56).

1167

Virus and mycoplasma diseases of corn in Florida.
Niblett, C.L. Tsai, J.H.; Falk, B.W. Washington, D.C., The Conference. Proceedings of the ... annual corn and sorghum industry research conference - American Seed Trade Association, Corn and Sorghum Division, Corn and Sorghum Research Conference. 1982. 1982. (36th). p. 78-88. ill. 21 ref. (NAL Call No.: 59.9 AM32).

1168

Virus disease ratings of corn hybrids and inbreds tested in Arkansas in 1979.
Dale, J.L. AR. York, J.O. Fayetteville, Ark., The Station. Mimeograph series.Arkansas. Agricultural Experiment Station. Dec 1979. Dec 1979. (274). 5 p. (NAL Call No.: 100 AR42M).

1169

Virus diseases of sweet corn.
Boothroyd, C.W. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 103-109. (NAL Call No.: 100 G29SO).

1170

Virus purification (Maize dwarf mosaic virus and sugarcane mosaic virus).
Tolin, S.A. Ford, R.E. (s.l.), (s.n.). Southern cooperative series bulletin. June 1981. June 1981. (247). p. 33-37. (NAL Call No.: 100 G29SO).

1171

Virus tolerance of corn strains grown in Ohio in 1981.
Findley, W.R. Louie, R.; Knoke, J.K. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Jan 1983. Jan 1983. (ARR-NC-10). p. 5-13. (NAL Call No.: aS21.A75U75).

1172

Virus tolerance ratings of corn strains grown in Ohio in 1979.
Findley, W.R. AR-NC~AR-NC. Louie, R.; Knoke, J.K.; Dollinger, E.J. Peoria, Ill., The Region. Agricultural research results ARR-NC - Science and Education Administration, U.S. Dept. of Agriculture, Agriculture Research, North Central Region. July 1980. July 1980. (5). p. 7-12. (NAL Call No.: aS21.A75U75).

1173

Virus tolerance ratings of corn strains grown in Ohio in 1982 (Commercial hybrids, Zea mays, Zea diploperennis, field tests in Missouri).
Wallin, J.R. Darrah, L.L.; Loonan, D.V. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Sept 1983. Sept 1983. (11). p. 1-4. (NAL Call No.: aS21.A75U75).

1174

Virus tolerance ratings of corn strains grown in Ohio in 1982 (Inbred lines and commercial hybrids, Zea mays, Zea diploperennis).
Findley, W.R. Knoke, J.K.; Louie, R. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Sept 1983. Sept 1983. (11). p. 5-19. (NAL Call No.: aS21.A75U75).

1175

Wheat streak mosaic virus: increased yields of purified virus from corn.
Uyemoto, J.K. Ferguson, M.W. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1980. v. 64 (5). p. 460-462. ill. 11 ref. (NAL Call No.: 1.9 P69P).

1176

Wheat striate mosaic virus (on maize) in the Dakotas and Minnesota.
Jons, V.L. Timian, R.G.; Gardner, W.S.; Stomberg, E.L.; Berger, P. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1981. v. 65 (5). p. 447-448. ill. 7 ref. (NAL Call No.: 1.9 P69P).

1177

X-ray microanalysis of leaf tumors from maize plants experimentally infected with maize rough dwarf virus: scanning and transmission electron microscopic study.
Favali, M.A. Barbieri, N.; Bianchi, A.; Bonecchi, R.; Conti, M. New York, Academic Press. Virology. June 1980. v. 103 (2). p. 357-368. ill. Bibliography p. 367-368. (NAL Call No.: 448.8 V81).

1178

Yield loss in sweet corn correlated with time of inoculation with maize dwarf mosaic virus (Illinois).
Mikel, M.A. D'Arcy, C.J.; Rhodes, A.M.; Ford, R.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 902-904. 8 ref. (NAL Call No.: 1.9 P69P).

1179

Yield response of sweet corn to maize dwarf mosaic virus (20 cultivars, Illinois).
Mikel, M.A. D'Arcy, C.J.; Rhodes, A.M.; Ford, R.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 900-901. 7 ref. (NAL Call No.: 1.9 P69P).

1181

Yields of corn hybrids and ratings of inbreds tested under virus disease conditions in Arkansas in 1981.
Dale, J.L. York, J.O. Fayetteville, Ark., The Station. Mimeograph series - Arkansas, Agricultural Experiment Station. Dec 1981. Dec 1981. (295). 4 p. (NAL Call No.: 100 AR42M).

1180

Yields of corn hybrids and ratings of inbreds tested under virus disease conditions in Arkansas in 1980.
Dale, J.L. York, J.O. Fayetteville, Ark., The Station. Mimeograph series - Arkansas, Agricultural Experiment Station. Nov 1980. Nov 1980. (283). 4 p. (NAL Call No.: 100 AR42M).

1182

Zea diploperennis: a primitive relative offers new traits to improve corn (Includes viral and mycoplasmal disease resistance).
Nault, L.R. Findley, W.R. Superior, Ariz., University of Arizona. Desert plants. Winter 1981/1982. v. 2 (4). p. 203-205. ill. (NAL Call No.: QK938.D4D4).

1183

1978 virus tolerance ratings for corn strains grown in the lower corn belt / Jack R. Wallin, Marcus S. Zuber, and Daniel V. Loonan.
Wallin, Jack R. Peoria, Ill. Agricultural Research, North Central Region, Science and Education Administration, U.S. Dept. of

Agriculture 1979. Cover title. 12 p. -. (NAL Call No.: aS21.A75U75 No.2).

1184

1979 virus tolerance ratings for corn strains grown in the lower corn belt.
AR-NC. Peoria, Ill., The Region. Agricultural research results ARR-NC - Science and Education Administration, U.S. Dept. of Agriculture, Agriculture Research, North Central Region. July 1980. July 1980. (5). 12 p. (NAL Call No.: aS21.A75U75).

1185

1979 virus tolerance ratings of corn strains grown in Missouri.
Wallin, J.R. AR-NC~AR-NC. Zuber, M.S.; Darrah, L.L.; Loonan, D.V. Peoria, Ill., The Region. Agricultural research results ARR-NC - Science and Education Administration, U.S. Dept. of Agriculture, Agriculture Research, North Central Region. July 1980. July 1980. (5). p. 1-6. ill. (NAL Call No.: aS21.A75U75).

1186

1981 virus tolerance ratings for corn strains grown in the lower corn belt.
Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Jan 1983. Jan 1983. (ARR-NC-10). 13 p. (NAL Call No.: aS21.A75U75).

1187

1981 virus tolerance ratings of corn strains grown in Missouri.
Wallin, J.R. Loonan, D.V.; Gardner, C.A.C. Peoria : The Service. Agricultural research results ARR-NC - U.S. Dept. of Agriculture, Agricultural Research Service, North Central Region. Jan 1983. Jan 1983. (ARR-NC-10). p. 1-4. (NAL Call No.: aS21.A75U75).

1188

Application of high performance liquid chromatography in the characterization of iron stress response (Helianthus annuus, sunflowers, Zea mays, maize, Lycopersicon, tomatoes).
Johnson, G.V. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 499-514. 14 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

1189

Bermudagrass hay depletes soil potassium (Deficiency symptoms and yield decreases of successive corn crops, Alabama).
Burmester, C.H. Adams, F. Atlanta : Potash & Phosphate Institute. Better crops with plant food. Winter 1983/1984. v. 68. p. 18-19. (NAL Call No.: 6 B46).

1190

Corn inbreds differing in efficiency to zinc (Mineral imbalances, iron deficiency).
Wallace, A. Romney, E.M.; Clark, R.B. New York, Marcel Dekker. Journal of plant nutrition. 1980. v. 2 (1/2). p. 225-229. ill. 6 ref. (NAL Call No.: QK867.J67).

1191

Differential response of corn genotypes to applied FeEDDHA (Iron ethylenediamine dihydroxyacetic acid, Zea mays, maize, iron chlorosis, genetic control).
Zaharieva, T. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 897-904. 12 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

1192

Effect of phosphorus levels on phosphorus deficiency symptoms and growth of three corn hybrids (Zea mays).
Obreza, T.A. Rhoads, F.M.; Stanley, R.L. Jr. (S.l.) : The Society. Proceedings - Soil and Crop Science Society of Florida. 1982. v. 41. p. 185-188. ill. Includes references. (NAL Call No.: 56.9 S032).

1193

Effect of steam sterilization of soil on plants susceptible to iron deficiency (Maize, soybeans, manganese concentration, chlorosis).
Wallace, A. Mueller, R.T. New York, Marcel Dekker. Journal of plant nutrition. 1980. v. 2 (1/2). p. 197-198. ill. 4 ref. (NAL Call No.: QK867.J67).

1194

Evaluation of the need for copper with several soil extractants (Deficiencies, critical levels, soybeans, Glycine max, corn, Zea mays, wheat, Triticum aestivum, soils from the Atlantic Coastal Plain, North Carolina).
Makarim, A.K.AGJOA. Cox, F.R. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 493-496. Includes references. (NAL Call No.: 4 AM34P).

1195

Genotype influence on the iron concentrations in the grain of corn hybrids (Zea mays, maize).
Kovacevic, V. Bertic, B.; Trogrlic, V.; Seput, M. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). 605-608. 14 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

1196

Iron nutrition under conditions of stress (Maize).
DeKock, P.C. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (1/4). p. 513-521. ill. 35 ref. (NAL Call No.: QK867.J67).

1197

Magnesium deficiency results in increased suberization in endodermis and hypodermis of corn roots (Zea mays, maize, suberin composition, chemical and ultrastructural proof).
Pozuelo, J.M. Espelie, K.E.; Kolattukudy, P.E. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1984. v. 74 (2). p. 256-260. ill. Includes references. (NAL Call No.: 450 P692).

1198

Manganese deficiency in Indiana soils.
Hood, E. L. Spies, C. D.& Agronomy guide. 197?. This publication deals with manganese deficiences in Indiana. Included in the article are the locations of deficiency problems and how to recognize manganese deficiences in soybeans, oats, wheat, and corn. To correct a manganese deficiency a section discusses how to amend or correct the problem. Sampling plants for deficiency tests are also mentioned in the publication. Document available from: Mailing Room, Ag. Admin. Bldg., Purdue Univ., West Lafayette, IN 47907. 1 sheet. (NAL Call No.: AY-100).

1199

Nitrate toxicity-problem and prevention.
Rhykerd, C. R. Noller, C. H.& Agronomy guide. 1977. This publication deals with when, why, and how nitrate toxicity occurs and what can be done to prevent it. The publication was based on results of research where corn and sudangrass fertilized with 800 pounds per acre were fed to cattle and sheep. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, West Lafayette, IN 47907. 3 p. (NAL Call No.: ID-128).

1200

Nutrient deficiency diagnosis of corn (Zea mays L.) plants from yield and composition responses to additions of N and S (nitrogen, sulfur, foliar diagnosis).
Rendig, V.V. Amparano, F. New York, Marcel Dekker. Communications in soil science and plant analysis. 1980. v. 11 (12). p. 1181-1193. 19 ref. (NAL Call No.: S590.C63).

1201

Pathologist finds corn stalk rot appears with low sugar production, stress.
St. Paul, Minn., Webb. Irrigation age. Sept 1980. v. 15 (1). p. 34, 42. ill. (NAL Call No.: TC801.I7).

1202

Plant genotype differences to ferrous and total iron in emerging leaves. I. Sorghum and maize (Uptake and deficiency).
Pierson, E.E. Clark, R.B.; Maranville, J.W.; Coyne, D.P. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1984. Presented at the "Second International Symposium on Iron Nutrition and Interactions in Plants," August 2-5, 1983, Utah State University, Logan. v. 7 (1/5). p. 371-387. ill. Includes references. (NAL Call No.: QK867.J67).

1203

Potential for phosphorus toxicity in zinc-stressed corn and potato (Nutrient uptake).
Christensen, N.W. Jackson, T.L. Madison, Wis., The Society. Soil Science Society of America journal. Sept/Oct 1981. v. 45 (5). p. 904-909. ill. 12 ref. (NAL Call No.: 56.9 S03).

1204

Problems with irrigated corn, 1982 (Response to nitrogen, Minnesota).
Fenster, W.E.MXMRA. Overdahl, C.J. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1983. 1983. (2 rev.). p. 104-106. (NAL Call No.: S1.M52).

1205

Responses to Fe (iron) deficiency in roots of "Fe-efficient" plant species (Zea mays, maize, Cucumis sativus, cucumbers, Panicum milaceum, proso, Helianthus annuus, sunflowers).
Romheld, V. Marschner, H.; Kramer, D. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 489-498. ill. 14 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

1206

Studies on photosynthetic electron transport, photophosphorylation and CO2 (carbon dioxide) fixation in zinc deficient leaf cells of Zea mays. L. (Maize).
Shrotri, C.K. Rathore, V.S.; Mohanty, P. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (6). p. 945-954. 9 ref. (NAL Call No.: QK867.J67).

1207

Trace metal interactions in corn inbreds differing in efficiency of Mg (magnesium) uptake (Mineral stress, iron chlorosis).
Wallace, A. Kawasaki, T.; Romney, E.M.; Clark, R.B. New York, Marcel Dekker. Journal of plant nutrition. 1980. v. 2 (1/2). p. 231-235. ill. 7 ref. (NAL Call No.: QK867.J67).

1208

Absorption and metabolism of the chiral isomers of fonofos in the corn and cotton plant.
Lee, P.W. Allahyari, R.; Fukuto, T.R. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1980. v. B15 (1). p. 25-37. ill. 7 ref. (NAL Call No.: TD172.J61).

1209

Adaptation of cotton genotypes to an acid, manganese toxic soil (Eastern Corn Belt soils).
Foy, C.D. Webb, H.W.; Jones, J.E. Madison, Wis., American Society of Agronomy. Agronomy journal. Jan/Feb 1981. v. 73 (1). p. 107-111. ill. 14 ref. (NAL Call No.: 4 AM34P).

1210

Adenine nucleotide content of corn roots as affected by injury and subsequent washing (Zea mays).
Gronewald, J.W. Hanson, J.B. Rockville, American Society of Plant Physiologists. Plant physiology. June 1982. v. 69 (6). p. 1252-1256. 28 ref. (NAL Call No.: 450 P692).

1211

Aflatoxin occurrence in 1977 corn in Virginia.
Llewellyn, G.C. Katzen, J.S. Norfolk, Virginia Academy of Science. Virginia journal of science. Spring 1981. Literature review. v. 32 (1). p. 4-11. maps. 22 ref. (NAL Call No.: 470 V81).

1212

Aluminum toxicity in corn at ner neutral soil pH (hydrogen ion concentration) levels.
Farina, M.P.W. Sumner, M.E.; Plank, C.O.; Letzsch, W.S. New York, Marcel Dekker. Journal of plant nutrition. 1980. v. 2 (6). p. 683-697. ill. 55 ref. (NAL Call No.: QK867.J67).

1213

Application of sewage sludge to soils high in organic matter (Corn, soybeans).
King, L.D. Dunlop, W.R. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1982. v. 11 (4). p. 608-616. 15 ref. (NAL Call No.: QH540.J6).

1214

Assessing hail damage to corn.
Vorst, James, J. 1979. This publication deals with how to recognize hail damage and assess probable losses. The article examines how hail damages the corn plant, the degree of damage and the extent of yield loss estimated. Corn illustrations are used to point out the different growth stages. Document available from: Mailing Room, Ag. Admin. Bldg., Purdue Univ., West Lafayette, IN 47907. 3 p. : ill. (NAL Call No.: AY-219).

1215

Atrazine persistence in a corn-soybean doublecropping system (Herbicide residue).
Brecke, B.J. Currey, W.L.; Teem, D.H. Madison, Wis., American Society of Agronomy. Agronomy journal. May/June 1981. v. 73 (3). p. 534-537. ill. 10 ref. (NAL Call No.: 4 AM34P).

1216

Biological control of frost injury: an isolate of Erwinia herbicola antgonistic to ice nucleation active bacteria (Effects of Pseudomonas syringae and active isolates of Erwinia herbicola, on maize (Zea mays) seedlings).
Lindow, S.E.PHYTA. Arny, D.C.; Upper, C.D. St. Paul : American Phytopathological Society. Phytopathology. Aug 1983. v. 73 (8). p. 1097-1102. Includes references. (NAL Call No.: 464.8 P56).

1217

Biological control of frost injury: establishment and effects of an isolate of Erwinia herbicola antagonistic to ice nucleation active bacteria on corn in the field (Pseudomonas syringae and active isolates of Erwinia herbicola, Zea mays, maize).
Lindow, S.E.PHYTA. Arny, D.C.; Upper, C.D. St. Paul : American Phytopathological Society. Phytopathology. Aug 1983. v. 73 (8). p. 1102-1106. Includes references. (NAL Call No.: 464.8 P56).

1218

Cadmium-enriched sewage sludge application to acid and calcareous soils: relation between treatment, cadmium in saturation extracts, and cadmium uptake (by corn, chard, tomato).
Mahler, R.J. Bingham, F.T.; Sposito, G.; Page, A.L. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1980. v. 9 (3). p. 359-364. ill. 22 ref. (NAL Call No.: QH540.J6).

1219

Chromium ions of toxicity on the membrane transport mechanism in segments of maize seedling roots (Zea mays).
Zaccheo, P.JPNUD. Genevini, P.L.; Cocucci, S.M. New York : Marcel Dekker. Journal of plant nutrition. 1982. v. 5 (10). p. 1217-1227. 16 ref. (NAL Call No.: QK867.J67).

1220

Comparative toxicity of 131,596 chemicals to plant seeds (Corn, wild oats, cotton, soybean, radish).
Kenaga, E.E. New York, Academic Press. Ecotoxicology and environmental safety. Dec 1981. v. 5 (4). p. 469-475. Includes 5 ref. (NAL Call No.: QH545.A1E29).

1221

Comparison of gains predicted by several selection methods for cold tolerance traits of two maize populations.
Crosbie, T.M. AR-NC. Mock, J.J.; Smith, O.S. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1980. v. 20 (5). p. 649-655. 17 ref. (NAL Call No.: 64.8 C883).

1222

Competition between a thiocarbamate herbicide and herbicide protectants at the level of uptake into maize cells in culture (Injury, phytotoxic activity).
Ezra, G.PCBPB. Krochmal, E.; Gressel, J. New York : Academic Press. Pesticide biochemistry and physiology. Aug 1982. v. 18 (1). p. 107-112. ill. Includes references. (NAL Call No.: SB951.P49).

1223

Corn damage from conventional and rotary combines.
Paulsen, M.R. Nave, W.R. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Sept/Oct 1980. v. 23 (5). p. 1110-1116. ill. 8 ref. (NAL Call No.: 290.9 AM32T).

1224

Cytological and biochemical effects of trifluralin on mitosis (in wheat, corn, and cotton root tips, preemergence herbicides).
Bartels, P.G. Hess, F.D.; Bayer, D.E. Honolulu, The Station. Technical Bulletin - Hawaii Agricultural Experiment Station, University of Hawaii. June 1981. June 1981. (100). p. 64-80. ill. 2 p. ref. (NAL Call No.: 100 H313T).

1225

Development and enzymatic changes during pollen development in boron deficient maize plants.
Agarwala, S.C. Sharma, P.N.; Chatterjee, C.; Sharma, C.P. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (1/4). p. 329-336. ill. 15 ref. (NAL Call No.: QK867.J67).

1226

Distribution of damage in maize combine cylinder and relationship between physico-rheological properties of shelled grain and damage / by Ali Ramadan Mahmoud.
Mahmoud, Ali Ramadan. Ann Arbor, Mich. University Microfilms 1973. Thesis--Iowa State University, 1972. Facsimile produced by microfilm-xerography. iii, 215 leaves. Bibliography: leaves 153-167. (NAL Call No.: DISS 73-3,908).

1227

The effect of DNBP (2-sec-butyl-4, 6-dinitrophenol) on the accumulation of 14C (carbon isotope)-sucrose and the transport of 14C-assimilates in corn.
Pitombeira, J.B. Housley, T.L.; Ohlrogge, A.J.; Counce, P.A. Madison, Wis., Crop Science Society of America. Crop science. Jan/Feb 1981. v. 21 (1). p. 135-139. 23 ref. (NAL Call No.: 64.8 C883).

1228

Effect of drying conditions on impact shear resistance of selected corn varieties (Mechanical damage of maize grain during harvesting and handling).
Mensah, J.K. Herum, F.L.; Blaisdell, J.L.; Stevens, K.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1568-1572. ill. 9 ref. (NAL Call No.: 290.9 AM32T).

1229

Effect of heavy meatals in sludge on agricultural crops (Tests on maize, uptake, phytotoxicity).
Hyde, H.C. Page, A.L.; Bingham, F.T.; Mahler, R.J. Washington, D.C., The Federation. Journal - Water Pollution Control Federation.Water Pollution Control Federation. Oct 1979. v. 51 (10). p. 2475-2486. ill. 20 ref. (NAL Call No.: 293.8 SE8).

1230

Effect of nickel on proton extrusion in segments of maize seedling roots (Zea mays).
Cocucci, S.M.JPNUD. Morgutti, S.; Genevini, P.L.; Ferrari-Bravo, P. New York : Marcel Dekker. Journal of plant nutrition. 1981. v. 4 (1). p. 57-64. 21 ref. (NAL Call No.: QK867.J67).

1231

Effect of planting equipment and time of application on injury to no-tillage corn from pendimethalin-triazine mixtures.
Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 68-73. ill. 1 ref. (NAL Call No.: 79.9 N814).

1232

Effect of SC-7245 on enzyme activity in corn and radish (Herbicide, phytotoxicity).
Devlin, R.M.PNWSB. Zbiec, I.I.; Karczmarczyk, J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 133-141. Includes references. (NAL Call No.: 79.9 N814).

1233

Effect of wind on the crop water stress index derived by infrared thermometry (Sorghum bicolor, Zea mays, Phaseolus vulgaris, Gossypium hirsutum).
O'Toole, J.C.AGJOA. Hatfield, J.L. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 811-817. ill. Includes references. (NAL Call No.: 4 AM34P).

1234

Effects of air pollutants on corn (Zea mays, maize).
Kress, L.W. Arlington, Va. : Izaak Walton League of America, 1982. Effects of air pollution on farm commodities : proceedings of the symposium, Hyatt Regency Hotel, Washington, D.C., February 18, 1982. p. 91-101. 25 ref. (NAL Call No.: QK751.S92 1982).

1235

Effects of atrazine treatment of a corn field using different application methods, times, and additives on the persistence of residues in soil and their uptake by oat plants.
Khan, S.U. Marriage, P.B.; Hamill, A.S. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1981. v. 29 (2). p. 216-219. 25 ref. (NAL Call No.: 381 J8223).

1236

The effects of Fall application of glyphosate on corn (Zea mays), soybeans (Glycine max), and johnsongrass (Sorghum halepense) (Phytotoxicity).
Jeffery, L.S. English, J.R.; Connell, J. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 190-195. ill. 9 ref. (NAL Call No.: 79.8 W41).

1237

Effects of fluoride pollution on corn plants through phosphatic fertilizer dust fallout (Zea mays).
Seth, P.C.FLUOA. Sahu, S.; Pandey, G.S. Warren : International Society for Fluoride Research. Fluoride. Oct 1983. v. 16 (4). p. 235-242. Includes references. (NAL Call No.: QP981.F55F55).

1238

The effects of low temperature on Zea mays (Maize, breeding, freezing injury, growth).
Miedema, P.ADAGA. New York : Academic Press. Advances in agronomy. 1982. Literature review. v. 35. p. 93-128. ill. 5 p. ref. (NAL Call No.: 30 AD9).

1239

Effects of sulfur dioxide on expansion of lesions caused by Corynebacterium nebraskense in maize and by Xanthomonas phaseoli var. sojensis in soybean (Air pollution injuries).
Laurence, J.A. Aluisio, A.L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1981. v. 71 (4). p. 445-448. 11 ref. (NAL Call No.: 464.8 P56).

1240

Effects of the herbicide EPTC and the protectant DDCA on incorporation and distribution of (2-14C)acetate into major lipid fractions of maize cell suspension cultures (Injury).
Ezra, G.PCBPB. Gressel, J.; Flowers, H.M. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 225-234. ill. Includes references. (NAL Call No.: SB951.P49).

1241

Effects of varying salt levels in liquid swine manure on soil composition and corn yield.
Sutton, A.L.JEVQAA. Nelson, D.W.; Mayrose, V.B.; Nye, J.C.; Kelly, D.T. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 49-59. Includes references. (NAL Call No.: QH540.J6).

1242

Fertilizer reduces yield loss from weather stress (Corn, soybeans, research in Ohio).
Johnson, J.BCPFA. Atlanta : Potash & Phosphate Institute. Better crops with plant food. Summer 1983. v. 67. p. 6-7. (NAL Call No.: 6 B46).

1243

Foliar fertilizer damage to corn leaves: relation to cutivular penetration.
Neumann, P.M. Ehrenreich, Y.; Golab, Z. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 979-982. ill. 15 ref. (NAL Call No.: 4 AM34P).

1244

Glyceollin: a site-specific inhibitor of electron transport in isolated soybean mitochondria (Glycine max, Zea mays, maize, autophytotoxicity).
Boydston, R.PLPHA. Paxton, J.D.; Koeppe, D.E. Rockville : American Society of Plant Physiologists. Plant physiology. May 1983. v. 72 (1). p. 151-155. Includes references. (NAL Call No.: 450 P692).

1245

The herbicidal mode of action of R-40244 and its absorption by plants (Corn, Zea mays, leaf chlorosis, phytotoxic action).
Lay, M.M.PCBPB. Niland, A.M. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 337-343. ill. Includes references. (NAL Call No.: SB951.P49).

1246

Herbicide symptoms in corn (Injury).
Miller, G.R. MN. Breneman, D.; Behrens, R. St. Paul, Minn., The Service. Extension folder - Minnesota University, Agricultural Extension Service. 1980. 1980. (487). 4 p. ill. (NAL Call No.: 275.29 M66EX).

1247

Herbicides and fungicides inhibit Ca2+ (Calcium ion) uptake by plant mitochondria: a possible mechanism of action (Maize, zucchini).
Hertel, C.PCBPB. Marme, D. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 282-290. ill. Includes references. (NAL Call No.: SB951.P49).

1248

How the 1983 weather hurt the corn crop (Drought, yield, Corn Belt).
Thompson, L.M. Atlanta, Ga. : Potash & Phosphate Institute. Better crops with plant food. Summer 1984. v. 68. p. 18-19. ill. (NAL Call No.: 6 B46).

1249

Influence of metolachlor on sweet corn (Zea mays saccharata) growth and nutrient accumulation (Herbicide, injury).
Ellis, T.W.WEESA. Wilson, H.P.; Mascianica, M.P.; Janssen, K.A. Champaign : Weed Science Society of America. Weed science. May 1983. v. 31 (3). p. 342-347. ill. Includes references. (NAL Call No.: 79.8 W41).

1250

Interaction of antioxidants with ozone and herbicide stress (Tested with navy beans, maize, and soybeans, includes phytotoxicity).
Rubin, B. AR-NC. Leavitt, J.R.C.; Penner, D.; Saettler, A.W. New York, Springer. Bulletin of environmental contamination and toxicology. Oct 1980. v. 25 (4). p. 623-629. 10 ref. (NAL Call No.: RA1270.P35A1).

1251

Irrigated corn yield response to nitrogen and water (Zea mays, plant water stress, irrigation methods, fertilizer trials, Texas).
Eck, H.V. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 421-428. ill. Includes references. (NAL Call No.: 4 AM34P).

1252

Land application of chemically treated sewage sludge. III. Effects on soil and plant heavy metal content (Corn, bromegrass Bromus inermis).
Soon, Y.K. Bates, T.E.; Moyer, J.R. Madison, Wis., American Society of Agronomy. Journal of environmental quality. p. 497-504. ill. 28 ref. (NAL Call No.: QH540.J6).

1253

Land application of sewage sludge with regard to cropping system and pollution potential (Maize, rye, groundwater pollution, phytotoxicity).
Higgins, A.J. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. July/Sept 1984. v. 13 (3). p. 441-448. ill., maps. Includes references. (NAL Call No.: QH540.J6).

1254

Metabolism of EPTC in germinating corn: sulfone as the true carbamoylating agent.
Horvath, L. Pulay, A. New York, Academic Press. Pesticide biochemistry and physiology. Dec 1980. v. 14 (3). p. 265-270. ill. 17 ref. (NAL Call No.: SB951.P49).

1255

Metabolism of the herbicide buthidazole in corn seedlings and alfalfa plants.
Yu, C.C. Atallah, Y.H.; Whitacre, D.M. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1980. v. 28 (6). p. 1090-1095. ill. 6 ref. (NAL Call No.: 381 J8223).

1256

Metolachlor and alachlor effects on membrane permeability and lipid synthesis (Herbicides, phytotoxicity, using roots of corn, soybean, cotton, cucumber, onion).
Mellis, J.M. Pillai, P.; Davis, D.E.; Truelove, B. Champaign, Ill., Weed Science Society of America. Weed science. July 1982. v. 30 (4). p. 399-404. ill. 27 ref. (NAL Call No.: 79.8 W41).

1257

Mode of action of the herbicide antidote R-25788 (N,N-diallyl-2,2-dichloroacetamide) / by J. Robert Carlton Leavitt.
Leavitt, J. Robert Carlton. Ann Arbor, Mich. University Microfilms International 1979. Thesis--Michigan State University, 1978. Facsimile produced by microfilm-xerography. vii, 84 leaves : ill. ; 29 cm. Includes bibliographies. (NAL Call No.: DISS 79-00,710).

1258

Napropamide, uptake, transport, and metabolism in corn (Zea mays) and tomato (Lycopersicon esculentum) (Herbicide, phytotoxicity).
Barrett, M. Ashton, F.M. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1981. v. 29 (6). p. 697-703. ill. 10 ref. (NAL Call No.: 79.8 W41).

1259

Nonpoint source loading of toxic substances from decomposing crop residue (Watersheds, corn, barley, toxicity to turnip).
Glenn, S. College Park : The Center. Technical report - Maryland, University, Water Resources Research Center. Aug 1983. Aug 1983. (76). 14 p. Includes references. (NAL Call No.: TD423.A1M3).

1260

Peroxidase enzyme markers for ozone sensitivity in sweet corn (Zea mays, maize, foliar injury).
Podleckis, E.V. Curtis, C.R.; Heggestad, H.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1984. v. 74 (5). p. 572-577. ill. Includes references. (NAL Call No.: 464.8 P56).

1261

Physiological and cytological effects of BAS 9052 OH on corn (Zea mays) seedlings (Phytotoxic action, herbicide).
Asare-Boamah, N.K.WEESA. Fletcher, R.A. Champaign : Weed Science Society of America. Weed science. Jan 1983. v. 31 (1). p. 49-55. ill. 17 ref. (NAL Call No.: 79.8 W41).

1262

Physiological effects of SC-7245 on Corn and radish (Herbicide, phytoxicity).
Devlin, R.M.PNWSB. Zbiec, I.I.; Karczmarczyk, S.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 126-132. Includes references. (NAL Call No.: 79.9 N814).

1263

Phytochrome responses to end-of-day irradiations in light-grown corn grown in the presence and absence of Sandoz 9789 (Herbicide).
Gorton, H.L. Briggs, W.R. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Dec 1980. v. 66 (6). p. 1024-1026. ill. 13 ref. (NAL Call No.: 450 P692).

1264

Plant-soil interactions of chromium (Tannery sewage sludge, Zea mays, Phaseolus vulgaris).
James, B.R.JEVQAA. Bartlett, R.J. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 67-70. Includes references. (NAL Call No.: QH540.J6).

1265

Potential antidotes against buthidazole injury to corn (Zea mays).
Hatzios, K.K. Penner, D. Champaign, Ill., Weed Science Society of America. Weed science. May 1980. v. 28 (3). p. 273-276. ill. 29 ref. (NAL Call No.: 79.8 W41).

1266

A predictive model of water stress in corn and soybeans.
Sudar, R.A. Saxton, K.E.; Spomer, R.G. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1981. v. 24 (1). p. 97-102. ill. 22 ref. (NAL Call No.: 290.9 AM32T).

1267

Protecting corn (Zea mays) from herbicide injury with R-25788 (Antidote).
Martin, A.R. Burnside, O.C. Champaign, Ill., Weed Science Society of America. Weed science. May 1982. v. 30 (3). p. 269-272. Includes 20 ref. (NAL Call No.: 79.8 W41).

1268

Purple corn--conspicuous color in spring not always bad (Anthocyanin, stress).
Crookston, R.K.CRSOA. Madison : American Society of Agronomy. Crops and soils magazine. Apr/May 1983. v. 35 (7). p. 16-18. ill. (NAL Call No.: 6 W55).

1269

Rapid effects of a thiocarbamate herbicide and its dichloroacetamide protectant on macromolecular syntheses and glutathione levels in maize cell cultures.
Ezra, G. Gressel, J. New York, Academic Press. Pesticide biochemistry and physiology. Feb 1982. v. 17 (1). p. 48-58. ill. Includes 28 ref. (NAL Call No.: SB951.P49).

1270

The relationship between machinery traffic and corn yield reductions in successive years (Damage to corn production by soil compaction generated by vehicular traffic).
Raghavan, G.S.V. McKyes, E.; Taylor, F.; Richard, P.; Watson, A. St. Joseph, Mich., The Society. Transactions of the ASAE.American Society of Agricultural Engineers. Nov/Dec 1979. v. 22 (6). p. 1256-1259. ill. 18 ref. (NAL Call No.: 290.9 AM32T).

1271

Response of corn and soybeans to simulated saline aerosol drift from brackish water cooling towers.
Mulchi, C.L. Armbruster, J.A. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Oct/Dec 1981. v. 10 (4). p. 541-547. Includes 21 ref. (NAL Call No.: QH540.J6).

1272

Response of corn and soybeans to soil vs. foliar-applied salts of cooling tower origin (Zea mays, Glycine max, saline aerosol, air pollution).
Armbruster, J.A. Mulchi, C.L. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. Apr/June 1984. v. 13 (2). p. 278-282. Includes references. (NAL Call No.: QH540.J6).

1273

Response of crops to sorghum residues (Plant associations, sweet corn, snap beans, soil environment).
Ruiz-Sifre, G.V.JOSHB. Ries, S.K. Alexandria : The Society. Journal of the American Society for Horticultural Science. Mar 1983. v. 108 (2). p. 262-266. ill. Includes references. (NAL Call No.: 81 S012).

1274

Response of several genetic sources of corn to acidic soil (Zea mays, breeding for stress tolerance).
Sherchan, K.AGJOA. Ellis, R. Jr.; Whitney, D.A.; Wassom, C.E. Madison : American Society of Agronomy. Agronomy journal. Nov/Dec 1983. v. 75 (6). p. 993-996. Includes references. (NAL Call No.: 4 AM34P).

1275

Responses of selected plant species to elevated carbon dioxide in the field (Zea mays, Glycine max, Pinus taeda, Liquidambar styraciflua).
Rogers, H.H.JEVQA. Bingham, G.E.; Cure, J.D.; Smith, J.M.; Surano, K.A. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1983. v. 12 (4). p. 569-574. Includes references. (NAL Call No.: QH540.J6).

1276

A reversible phase of copper toxicity in maize roots.
Hunter, R.B. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (1/4). p. 375-386. ill. 20 ref. (NAL Call No.: QK867.J67).

1277

Salinity-induced modifications in the response of maize to water deficits (Stress).
Stark, J.C. Jarrell, W.M. Madison, Wis., American Society of Agronomy/cH. Agronomy journal. Sept/Oct 1980. v. 72 (5). p. 745-748. ill. 16 ref. (NAL Call No.: 4 AM34P).

1278

Sewage sludge application to calcareous strip-mine spoil. II. Effect on spoil and corn cadmium, copper, nickel, and zinc.
Pietz, R.I.JEVQA. Peterson, J.R.; Hinesly, T.D.; Ziegler, E.L.; Redborg, K.E. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1983. v. 12 (4). p. 463-467. Includes references. (NAL Call No.: QH540.J6).

1279

Silage corn uptake of sludge-applied zinc and cadmium as affected by soil pH.
Pepper, I.L.JEVQA. Bezdicek, D.F.; Baker, A.S.; Sims, J.M. Madison : American Society of Agronomy. Journal of environmental quality. Apr/June 1983. v. 12 (2). p. 270-275. Includes references. (NAL Call No.: QH540.J6).

1280

Silver uptake, distribution, and effect on calcium, phosphorus, and sulfur uptake (Toxicity of heavy metal pollution tested on beans, maize and tomatoes).
Koontz, H.V. Berle, K.L. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Feb 1980. v. 65 (2). p. 336-339. ill. 21 ref. (NAL Call No.: 450 P692).

1281

Single and multiple trace metal excess effects on three different species (Maize, soybeans, barley on contaminated soil).
Wallace, A. Romney, E.M.; Kinnear, J.; Alexander, G.V. New York, Marcel Dekker. Journal of plant nutrition. 1980. v. 2 (1/2). p. 11-23. ill. 11 ref. (NAL Call No.: QK867.J67).

1282

Soil residual of ethalfluralin with cucumbers (and sweet corn, injury).
Williamson, S.W. Beste, C.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 189-194. ill. 3 ref. (NAL Call No.: 79.9 N814).

1283

Some effects of (the herbicide) buthidazole on corn (Zea mays) photosynthesis, respiration, anthocyanin formation, and leaf ultrastructure.
Hatzios, K.K. Penner, D. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1980. v. 28 (1). p. 97-100. ill. 18 ref. (NAL Call No.: 79.8 W41).

1284

Stand establishment and yield of corn as affected by herbicides and seed vigor (Illinois).
Johnson, R.R. Wax, L.M. Madison, Wis., American Society of Agronomy. Agronomy journal. 1981. v. 73 (5). p. 859-863. 15 ref. (NAL Call No.: 4 AM34P).

1285

Sweet corn and weed response to differently timed post emergence applications of atrazine, 2,4-D, dicamba, alachlor and metolachlor (Includes phytotoxicity).
Minotti, P.L. Hughes, B.J.; Sweet, R.D.; Warholic, D.T. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 288-292. ill. 3 ref. (NAL Call No.: 79.9 N814).

1286

The toxicity of banded urea or diammonium phosphate (starter fertilizer) to corn as influenced by soil temperature, moisture, and pH (hydrogen-ion concentration).
Creamer, F.L. Fox, R.H. Madison, Wis., The Society. Journal - Soil Science Society of America.Soil Science Society of America. Mar/Apr 1980. v. 44 (2). p. 296-300. ill. 29 ref. (NAL Call No.: 56.9 S03).

1287

Trace metal placement in soil (effects) on metal uptake and phytotoxicity (tested on maize).
Wallace, A. New York, Marcel Dekker. Journal of plant nutrition. 1980. v. 2 (1/2). p. 35-38. ill. 5 ref. (NAL Call No.: QK867.J67).

1288

Uptake and phytotoxicity of di-N-butyl phthalate in corn (Zea mays).
Shea, P.J.BECTA. Weber, J.B.; Overcash, M.R. New York : Springer-Verlag. Bulletin of environmental contamination and toxicology. Aug 1982. v. 29 (2). p. 153-158. 1 p. ref. (NAL Call No.: RA1270.P35A1).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

1289

Aflatoxin destruction in (stored) corn using sodium bisulfite, sodium hydroxide and aqueous ammonia (Aspergillus flavus, Aspergillus parasiticus).
Moerck, K.E. McElfresh, P.; Wohlman, A.; Hilton B.W. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. July 1980. v. 43 (7). p. 571-574. ill. 31 ref. (NAL Call No.: 44.8 J824).

1290

Allowable storage time of corn as affected by heat buildup, natural convection and aeration.
Brooker, D.B. Duggal, A.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. May/June 1982. v. 25 (3). p. 806-810. 6 ref. (NAL Call No.: 290.9 AM32T).

1291

Crack formation in corn kernels subject to impact (damage).
Moreira, S.M.C. Krutz, G.W.; Foster, G.H. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. July/Aug 1981. v. 24 (4). p. 889-892. ill. 24 ref. (NAL Call No.: 290.9 AM32T).

1292

A direct titrimetric method for the rapid estimation of water-extractable sulfur dioxide in corn grain (Zea mays, maize).
Eckhoff, S.R.JAFCA. Okos, M.R. Washington : American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1983. v. 31 (4). p. 826-829. Includes references. (NAL Call No.: 381 J8223).

1293

An economic engineering study of commercial grain storage in South Carolina (Corn, wheat, soybeans, costs and returns).
Shedd, D.T.SCAEA. Miller, S.E. Clemson : The Station. Bulletin - South Carolina Agricultural Experiment Station. July 1983. July 1983. (649). 18 p. Includes references. (NAL Call No.: 100 S08 (1)).

1294

Energy conservation in grain (corn) drying with combination high-temperature, low-temperature methods / R. Vance Morey ...(et al.).
Morey, R. Vance. (Washington, D.C.?) U.S. Dept. of Energy 1980. Final report, July 1, 1978-December 31, 1979; work performed under Contract no. AS02-78CS40060. 34 p. : ill. ; 28 cm. -. Bibliography: p. 34. (NAL Call No.: SB189.77.E5).

1295

Fungi in U.S. export wheat and corn (Triticum, Zea mays).
Sauer, D.B.PHYTA. Storey, C.L.; Ecker, O.; Fulk, D.W. St. Paul : American Phytopathological Society. Phytopathology. Nov 1982. v. 72 (11). p. 1449-1452. 12 ref. (NAL Call No.: 464.8 P56).

1296

Genotypic differences in reaction in stored corn kernels to attack by selected Aspergillus and Penicillium spp. (Zea mays, maize).
Cantone, F.A.PHYTA. Tuite, J.; Bauman, L.F.; Stroshine, R. St. Paul : American Phytopathological Society. Phytopathology. Sept 1983. v. 73 (9). p. 1250-1255. Includes references. (NAL Call No.: 464.8 P56).

1297

Hybrid differences in estimation of preharvest occurrence of bright greenish-yellow fluorescence and aflatoxin in corn (Fungi, Aspergillus flavus).
Lillehoj, E.B.JEVQA. Manwiller, A.; Whitaker, T.B.; Zuber, M.S. Madison : American Society of Agronomy. Journal of environmental quality. Apr/June 1983. v. 12 (2). p. 216-219. Includes references. (NAL Call No.: QH540.J6).

1298

Longevity of aspergillus flavus in corn (Fungal mycotoxins, includes other fungal species, Zea mays in the field and in storage).
Hesseltine, C.W. Rogers, R.F. Bronx, N.Y., The New York Botanical Garden. Mycologia. May/June 1982. v. 74 (3). p. 423-426. Includes 6 ref. (NAL Call No.: 450 M99).

1299

Preserving the viability of stored maize seed with fungicides.
Moreno-Martinez, E. Vidal-Gaona, G. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1981. v. 65 (3). p. 260-261. 5 ref. (NAL Call No.: 1.9 P69P).

1300

Quantification of Aspergillus flavus growth on inoculated excised kernels of corn genotypes (Zea mays, resistance, aflatoxin control, hybrid evaluation).
Adams, N.J.AGJOAT. Scott, G.E.; King, S.B.
Madison : American Society of Agronomy.
Agronomy journal. Jan/Feb 1984. v. 76 (1). p. 98-102. ill. Includes references. (NAL Call No.: 4 AM34P).

1301

Storage of high-moisture corn: fungal growth and dry matter loss.
Seitz, L.M. Sauer, D.B.; Mohr, H.E. St. Paul, Minn., American Association of Cereal Chemists.
Cereal chemistry. Mar/Apr 1982. v. 59 (2). p. 100-105. ill. Includes 15 ref. (NAL Call No.: 59.8 C33).

1302

Urea and chemstor as preservatives for high-moisture corn.
Ghate, S.R. Bilanski, W.K.; Robinson, J.B. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1980. v. 23 (6). p. 1569-1572. 11 ref. (NAL Call No.: 290.9 AM32T).

1303

Aflatoxin in corn before harvest: interaction of hybrids and locations (Aspergillus flavus, mycotoxin, corn insects).
Lillehoj, E.B. Kwolek, W.F.; Zuber, M.S.; Bockholt, A.J.; Calvert, O.H.; Findley, W.R.; Guthrie, W.D.; Horner, E.S.; Josephson, L.M.; King, S. Madison, Wis., Crop Science Society of America. Crop science. Nov/Dec 1980. v. 20 (6). p. 731-734. 13 ref. (NAL Call No.: 64.8 C883).

1304

Aflatoxin occurrence and levels in preharvest corn kernels with varied endosperm characteristics grown at diverse locations (Aspergillus flavus, Zea mays, insect damage and aflatoxin contamination).
Lillehoj, E.B.CRPSAY. Zuber, M.S.; Darrah, L.L.; Kwolek, W.F.; Findley, W.R. Madison : Crop Science Society of America. Crop science. Nov/Dec 1983. v. 23 (6). p. 1181-1184. Includes references. (NAL Call No.: 64.8 C883).

1305

Compatibility of Bacillus thuringiensis and captan when used in a mixture for treating seed corn for moth control (Plodia interpunctella, Ephestia cautella).
McGaughey, W.H.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 897-898. Includes references. (NAL Call No.: 421 J822).

1306

The effect of grain stability on damage caused by Prostephanus truncatus (Horn) and three other beetle pests of stored maize.
Cowley, R.J. Howard, D.C.; Smith, R.H. Oxford, Pergamon Press. Journal of stored products research. June 1980. v. 16 (2). p. 75-78. 14 ref. (NAL Call No.: 421 J829).

1307

In-transit shipboard fumigation of corn on tanker vessel.
Zettler, J.L.JEENA. Gillenwater, H.B.; Redlinger, L.M.; Leesch, J.G.; Davis, R. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 804-808. ill. Includes references. (NAL Call No.: 421 J822).

1308

Insect infestation of farm-stored shelled corn and wheat in Minnesota (Grain pests).
Barak, A.V. Harein, P.K. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1981. v. 74 (2). p. 197-202. ill. 18 ref. (NAL Call No.: 421 J822).

1309

Insect infestations in wheat and corn exported from the United States.
Storey, C.L.JEENA. Sauer, D.B.; Ecker, O.; Fulk, D.W. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 827-832. Includes references. (NAL Call No.: 421 J822).

1310

Insect populations in wheat, corn, and oats stored on the farm (Cryptolestes pusillus, Rhyzopertha dominica, Oryzaephilus surinamensis, Tribolium castaneum, Sitophilus oryzae, Latheticus oryzae).
Storey, C.L.JEENAI. Sauer, D.B.; Walker, D. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1323-1330. Includes references. (NAL Call No.: 421 J822).

1311

Laboratory evaluation of the preferability of the grain of various corn hybrids, varieties, and strains for development of the granary weevil Sitophilus granarius L.
Levchenko, E.A. Balayan, V.M. New York, Allerton Press. Soviet agriculture sciences. 1978. 1978. (5). p. 17-18. ill. 9 ref. (NAL Call No.: S1.S68).

1312

Malathion resistance in Indian meal moths (Lepidoptera: Pyralidae) infesting stored corn and wheat in the North-Cntral United States (Plodia interpunctella).
Beeman, R.W.JEENA. Speirs, W.E.; Schmidt, B.A. College Park : Entomological Society of America. Journal of economic entomology. Dec 1982. v. 75 (6). p. 950-954. ill., map. 1 p. ref. (NAL Call No.: 421 J822).

1313

Methods of applying Bacillus thuringiensis (biological control organism) to stored corn for moth (Plodia interpunctella, Ephestia cautella) control.
McGaughey, W.H. AR-NC. Dicke, E.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73

(2). p. 228-229. ill. 3 ref. (NAL Call No.: 421 J822).

1314

Monitoring for the Angoumois grain moth (Sitotroga cerealella) in corn.
Stockel, J. Sureau, F. New York : Plenum Press, c1981. Management of insect pests with semiochemicals : concepts and practice / edited by Everett R. Mitchell. p. 63-73. ill. 15 ref. (NAL Call No.: SB933.3.M36).

1315

Phosphine fumigation of (USA) corn in-transit on a (Polish) bulk-dry cargo ship (for storage pest control).
Gillenwater, H.B. Redlinger, L.M.; Zettler, J.L.; Davis, R.; McDonald, L.L.; Zehner, J.M. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Oct 1981. v. 16 (4). p. 462-475. ill. 4 ref. (NAL Call No.: QL461.G4).

1316

A preliminary study with malathion aerosols applied with a corn drying system for the control of insects (Tribolium castaneum, Sitophilus oryzae).
Quinlan, J.K. AR-NC. Athens, Ga., The Society. Journal of the Georgia Entomological Society. July 1980. v. 15 (3). p. 252-257. ill. 5 ref. (NAL Call No.: QL461.G4).

1317

Reducing grain dust with oil additives (Treatment of wheat and maize includes insecticide malathion for the control of pests during storage).
Lai, F.S. Miller, B.S.; Martin, C.R.; Storey, C.L.; Bolte, L.; Shogren, M.; Finney, K.F.; Quinlan, J.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1626-1631. ill. 12 ref. (NAL Call No.: 290.9 AM32T).

1318

Stability and effectiveness of fenitrothion on corn to control stored-product insects.
Kirkpatrick, R.L.GENSA. Redlinger, L.M.; Simonaitis, R.A.; Zettler, J.L. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 344-350. Includes references. (NAL Call No.: QL461.G4).

1319

Status of malathion resistance in five genera of beetles infesting farm-stored corn, wheat, and oats in the United States (Tribolium castaneum, Rhyzopertha dominica, Sitophilus spp., Cryptolestes spp., Oryzaephilus spp.).
Haliscak, J.P.JEENA. Beeman, R.W. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 717-722. maps. Includes references. (NAL Call No.: 421 J822).

1320

Trap detection of stored-grain insects in farm-stored, shelled corn.
Barak, A.V. Harein, P.K. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 1982. v. 75 (1). p. 108-111. ill. 1 p. ref. (NAL Call No.: 421 J822).

1321

A unique fly problem in an industrial bio-filter system (Desmometopa varipalpus infesting a corn processing plant).
Williams, R.E. Walker, G.L. New York, Harcourt Brace Jovanovich. Pest control. July 1981. v. 49 (7). p. 14, 16, 58. ill. 1 ref. (NAL Call No.: 449.8 EX8).

1322

Acetanilide-antidote combinations for weed control in corn (Zea mays) and sorghum (Sorghum bicolor).
Winkle, M.E. Leavitt, J.R.C.; Burnside, O.C. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1980. v. 28 (6). p. 699-704. ill. 10 ref. (NAL Call No.: 79.8 W41).

1323

Acetanilide herbicides for yellow nutsedge (Cyperus esculentus) control in corn (Zea mays).
Dixon, G.A. AR-NC. Stoller, E.W.; McGlamery, M.D. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1980. v. 28 (5). p. 593-598. ill. 8 ref. (NAL Call No.: 79.8 W41).

1324

Alachlor and metoclachlor alone and in combination with atrazine in corn (Herbicides, weed control).
Detlefsen, I.M.PNWSB. Ilnicki, R.D.; Chitapong, P. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 53-55. (NAL Call No.: 79.9 N814).

1325

Alachlor (lasso) and metolachlor (dual) comparisons in conventional and reduced tillage systems (Weed control in corn).
Strek, H.J. Weber, J.B. Auburn, Ala., The Society. Proceedings - Southern Weed Science Society. 1981. 1981. (34th). p. 33-40. ill. Includes 5 ref. (NAL Call No.: 79.9 S08).

1326

The allelopathic effect of yellow nutsedge (Cyperus esculentus) on corn (Zea mays) and soybeans (Glycine max) (United States).
Drost, D.C. Doll, J.D. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1980. v. 28 (2). p. 229-233. ill. 23 ref. (NAL Call No.: 79.8 W41).

1327

Allelopathic effects of annual weed residues on growth and nutrient uptake of corn and soybeans (Inhibition).
Bhowmik, P.C. Doll, J.D. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 383-388. Includes references. (NAL Call No.: 4 AM34P).

1328

Allelopathic potential of corn pollen (Bidens pilosa, Cassia jalapensis, Rumex crispus, weeds, crop-weed interactions).
Jimenez, J.J.JCECD. Schultz, K.; Anaya, A.L.; Hernandez, J.; Espejo, O. New York : Plenum Press. Journal of chemical ecology. Aug 1983. v. 9 (8). p. 1011-1025. ill. Includes references. (NAL Call No.: QD415.A1J6).

1329

Analyses of TANDEM herbicide on corn (Postemergence herbicides, tridiphane).
Handly, J.V.DOEAA. Hammond, L.E.; Saunders, E.S. Midland : Agricultural Products Dept., Dow Chemical Co. Down to earth. Oct 1983. v. 39 (2). p. 5-9. ill. (NAL Call No.: 381 D75).

1331

Annual progress report - 1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication is a progress report in the following areas: soil moisture, corn and soybean herbicides, delayed planting of soybeans, plant populations for sunflowers, rock phosphate and superphosphate comparison, rates of N and P fertilizers, brown stem rot, tillage observations, seedbed preparations for corn and soybean, and crop variety research. 25 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-29).

1330

Annual progress report - 1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. This publication is a progress report and should not be considered conclusive. The topics covered are soil moisture report, K fertilization for corn and soybeans, sunflower populations, conservation tillage, crop disease trap plots, corn herbicides, spring wheat variety demonstration, musk thistle control, grain sorghum trial, and small grain selection. 17 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-10).

1332

Annual progress report - 1980 : Northern Research Center, Clarion- Webster Research Center / Iowa State University of Science and Technology.
1981. This publication contains researched information on planting dates verses plant population, breeding, cold tolerance and Zn, S, K fertilization for corn. Soybean information

on brown stem rot and bacterial tan spot is provided. Additional topics include herbicide evaluation, small grain tests, and vegetable garden demonstrations. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 24 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 80-14,22).

1333

Annual progress report-1979 : Allee Research Center, Newell, Iowa / Iowa State University of Science and Technology.
1980. This publication reports the performance of different corn silage levels on confinement cattle that either had shelter or did not have shelter. Included is a discussion on the effects of season and weight on yearling steer feedlot performance. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 8 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 79-31).

1334

Antogonism with glyphosate and residual herbicide combinations (Used for control of perennial weeds and vegetation minimun-till cropping systems, maize, soybeans).
Selleck, G.W. Baird, D.D. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 185-190. 7 ref. (NAL Call No.: 79.8 W41).

1335

Chemical weed control in corn : 1981.
Wrage, Leon J. Arnold, W. E. Document available from: South Dakota State University, Ag. Information Bulletin Room, Extension Building, Brookings, South Dakota 57007 1981. This publication contains registered EPA herbicides for corn. Herbicide suggestions, reduced tillage systems furrow and top plant, band vs. broadcast, and irrigated corn are the topics discussed. 8 p. (NAL Call No.: Document available from source.).(NAL Call No.: FS 525C).

1336

Chemical weed control in corn and grain sorghum.
Swann, C.W. Athens, Ga., The Service. Bulletin - Georgia University, Cooperative Extension Service. Jan 1981. Jan 1981. (824). 17 p. (NAL Call No.: 275.29 G29B).

1337

Chemical weed control in corn and grain sorghum.
Swann, C.W. Athens, Ga., The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1982. Jan 1982. (824). 16 p. (NAL Call No.: 275.29 G29B).

1338

Chemical weed control in corn and grain sorghum.
Swann, C.W. Athens : The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1984. Jan 1984. (824,rev.). 15 p. (NAL Call No.: 275.29 G29B).

1339

Chemical weed control in corn and grain sorghum.
Swann, C.W. GA. Athens, Ga., The Service. Bulletin - Cooperative Extension Service, University of Georgia College of Agriculture, Athens.Georgia. University. Cooperative Extension Service. Jan 1980. Jan 1980. (824). 15 p. ill. (NAL Call No.: 275.29 G29B).

1340

Chemical weed control in corn and grain sorghum (Includes calibration of sprayers).
Swann, C.W. Athens : The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1983. Jan 1983. (824). 12 p. (NAL Call No.: 275.29 G29B).

1341

Chemical weed control in field corn for 1982.
Kerr, Harold D. Scott, Joseph H.; Peters, E. J.; Anderson, L. E.; Fletchall, O. Hale.; Guethle, David.& Part 2 :; pre-emergence and postemergence. Document available from: University of Missouri, Extension Publication, 211 Whitten Hall, Columbia, Missouri 65201 1982. This publication discusses various herbicides and when to apply them. 8 p. (NAL Call No.: Document available from source.).(NAL Call No.: 4136).

1342

Chemical weed control in field corn for 1982.
Kerr, Harold D. Scott, Joseph H.; Peters, E. J.; Anderson, L. E.; Helsel, Zane R.; Guscar, Howard.& Part 1 :; preplanting incorporated treatments. Document available from: University of Missouri, Extension Publication, 211 Whitten Hall, Columbia, Missouri 65201 1982. This publication discusses herbicide evaluation and application rates. Topics include various

herbicides and their uses. 4 p. (NAL Call No.: Document available from source.).(NAL Call No.: 4135).

1343

Chemicals for weed control in corn / Gerald R. Miller.
Miller, Gerald R. (St. Paul, Minn.) Agricultural Extension Service, University of Minnesota 1981. Pesticide Applicator Training Collection ~Cover title. (2) p. ; 28 cm. -. (NAL Call No.: SB608.M2M5 1981).

1344

Competition between corn, velvetleaf and yellow nutsedge alone and in combination in the greenhouse (Cyperus esculentus, Abutilon theophrasti).
Campbell, R.T. Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 2-4. (NAL Call No.: 79.9 N814).

1345

Competitive control of common lambsquarters (Chenopodium album) in a corn-soybean intercrop.
Moss, P.A. Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 21-28. ill. 12 ref. (NAL Call No.: 79.9 N814).

1346

Competitive control of fall panicum (Panicum dichotomiflorum) and giant foxtail (Seteria faberii) by field corn.
Perera, L.A. Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 38-42. ill. (NAL Call No.: 79.9 N814).

1347

Competitive control of giant foxtail by early and late planted corn (Seteria faberi, weed).
Campbell, R.T. Perera, L.A.; Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 23-26. ill. 1 ref. (NAL Call No.: 79.9 N814).

1348

Control of burcucumber in corn and soybeans (Sicyos angulatus, weed, abstract only).
Webb, F. Johnston, G. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 34.p. 34. (NAL Call No.: 79.9 N814).

1349

Control of johnsongrass (Sorghum halepense) and volunteer corn (Zea mays) in soybeans (Glycine max).
Dale, J.E. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1981. v. 29 (6). p. 708-711. ill. 15 ref. (NAL Call No.: 79.8 W41).

1350

Control of triazine resistant redroot pigweed (Amaranthus retroflexus) in conventional and no-tillage corn (Abstract only).
Ritter, R.L. Harris, T.C. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 41.p. 41. (NAL Call No.: 79.9 N814).

1351

Control of volunteer corn in soybeans, 1979.
McKibben, G.E. IL. Urbana-Champaign, Ill., Illinois Agricultural Experiment Station. DSAC - Dixon Springs Agricultural Center. Jan 1980. Jan 1980. (8). p. 61-62. (NAL Call No.: S1.D5).

1352

Controlling volunteer corn (Zea mays) in soybeans (Glycine max) with diclofop and glyphosate.
Andersen, R.N. Ford, J.H.; Lueschen, W.E. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1982. v. 30 (2). p. 132-136. Includes 5 ref. (NAL Call No.: 79.8 W41).

1353

Corn and soybean response to allelopathic effects of weed and crop residues.
Bhowmik, P.C. Doll, J.D. Madison, Wis., American Society of Agronomy. Agronomy journal. July/Aug 1982. v. 74 (4). p. 601-606. 17 ref. (NAL Call No.: 4 AM34P).

1354

Corn cockle (Agrostemma githago) competition in winter wheat (Triticum aestivum).
Rydrych, D.J. Champaign, Ill., Weed Science Society of America. Weed science. May 1981. v. 29 (3). p. 360-363. (NAL Call No.: 79.8 W41).

1355

Corn herbicide research.
Melville, D.R. LA. Rabb, J.L.; Moppert, K.B. Bossier City, The Station. Annual research report - Red River Valley Agricultural Experiment Station.Louisiana. Red River Valley Agricultural Experiment Station. 1979. 1979. p. 262-263. (NAL Call No.: 100 L9333).

1356

Corn herbicides for conventional seedbeds, 1979.
McKibben, G.E. IL. Urbana-Champaign, Ill., Illinois Agricultural Experiment Station. DSAC - Dixon Springs Agricultural Center. Jan 1980. Jan 1980. (8). p. 53-56. (NAL Call No.: S1.D5).

1357

Corn pest management / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication is a worksheet to list insects, weeds, and diseases infesting your corn crop. 3 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: IPM-4).

1358

Corn (Weed control herbicides).
Peabody, D.V. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Feb 1981. Feb 1981. (0821). 8 p. (NAL Call No.: 275.29 W27P).

1359

Corn (Wyoming, Weed control).
Humburg, N.E. Alley, H.P. Laramie, Wyo., The Station. Research journal - University of Wyoming, Agricultural Experiment Station. Jan 1982. Jan 1982. (172). p. 77-89. (NAL Call No.: S131.E22).

1360

Cultural practices affecting season-long weed control in irrigated corn (Zea mays) (Maize, layby herbicide applications, Nebraska).
Moomaw, R.S. Martin, A.R. Champaign, Ill. : Weed Science Society of America. Weed science. July 1984. v. 32 (4). p. 460-467. Includes 14 references. (NAL Call No.: 79.8 W41).

1361

Dichloroacetamide herbicide antidotes enhance sulfate metabolism in corn roots.
Adams, C.A.PCBPB. Blee, E.; Casida, J.E. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 350-360. ill. Includes references. (NAL Call No.: SB951.P49).

1362

Differential toxicity, absorption, translocation, and metabolism of metolachlor in corn (Zea mays) and yellow nutsedge (Cyperus esculentus) (Herbicide).
Dixon, G.A. Stoller, E.W. Champaign, Ill., Weed Science Society of America. Weed science. May 1982. v. 30 (3). p. 225-230. Includes 11 ref. (NAL Call No.: 79.8 W41).

1363

Dissipation of the herbicides atrazine and alachlor in a Maryland corn field (Soil profile).
Wu, T.L. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1980. v. 9 (3). p. 459-465. ill., map. 20 ref. (NAL Call No.: QH540.J6).

1364

Dowco 356, a new herbicide for control of annual weeds in corn and grain sorghum.
Saunders, E. Champaign : Weeds Today, Inc. Weeds today. Late Spring 1982. v. 13 (2). p. 22-23. (NAL Call No.: SB610.W4).

1365

Early postemergence applications of herbicides for sweet corn (Abstract only).
Minotti, P.L. Warholic, D.T.; Sweet, R.D.; Vrabel, T.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 134-135.p. 134-135. (NAL Call No.: 79.9 N814).

1366

Economic analysis of two weed management systems for two cropping rotations (Corn (Zea mays), barley (Hordeum vulgare), sugarbeet (Beta vulgaris)).
Lybecker, D.W.WEESA6. King, R.P.; Schweizer, E.E.; Zimdahl, R.L. Champaign : Weed Science Society of America. Weed science. Jan 1984. v. 32 (1). p. 90-95. Includes references. (NAL Call No.: 79.8 W41).

1367

Economic consequences of bans on corn (Zea mays) and soybean (Glycine max) herbicides commonly used on Indiana farms.
Cashman, C.M. Martin, M.A.; McCarl, B.A. Champaign, Ill., Weed Science Society of America. Weed science. May 1981. v. 29 (3). p. 323-328. 4 ref. (NAL Call No.: 79.8 W41).

1368

Effect of alachlor on PEG6000 (polyethylene glycol) uptake, root osmotic potential, and root leakage (Herbicides, sweet corn, soybeans).
Vavrina, C.S.WEESA. Ashley, R.A. Champaign : Weed Science Society of America. Weed science. Sept 1983. v. 31 (5). p. 600-603. Includes references. (NAL Call No.: 79.8 W41).

1369

Effect of corn (Zea mays) population on the growth of yellow nutsedge (Cyperus esculentus) (Competition, integrated weed management).
Ghafar, Z.WEESA. Watson, A.K. Champaign : Weed Science Society of America. Weed science. Sept 1983. v. 31 (5). p. 588-592. ill. Includes references. (NAL Call No.: 79.8 W41).

1370

Effect of herbicides applied to corn on subsequent tomato, pepper, and cucumer crops (Florida).
Everett, P.H. Kalmbacher, R.S.; Chambliss, C.; Teem, D.H. n.p., The Society. Proceedings - Soil and Crop Science Society of Florida. 1980. v. 39. p. 122-125. 12 ref. (NAL Call No.: 56.9 S032).

1371

The effect of parentage on the control of volunteer corn (Zea mays) in soybeans (Glycine max) (Weeds, herbicides, diclofop, glyphosate).
Andersen, R.N. Geadelmann, J.L. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1982. v. 30 (2). p. 127-131. ill. Includes 5 ref. (NAL Call No.: 79.8 W41).

1372

The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia).
Dowler, C.C.GARRA. Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. ill. Includes references. (NAL Call No.: S51.E22).

1373

Effects of atrazine treatment of a corn field using different application methods, times, and additives on the persistence of residues in soil and their uptake by oat plants.
Khan, S.U. Marriage, P.B.; Hamill, A.S. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1981. v. 29 (2). p. 216-219. 25 ref. (NAL Call No.: 381 J8223).

1374

The effects of depth of incorporation of EPTC containing antidote and extender on corn and weed control (Abstract only).
Horng, L.C. Chitapong, P.; Ilnicki, R.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 1.p. 1. (NAL Call No.: 79.9 N814).

1375

The effects of Fall application of glyphosate on corn (Zea mays), soybeans (Glycine max), and johnsongrass (Sorghum halepense) (Phytotoxicity).
Jeffery, L.S. English, J.R.; Connell, J. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 190-195. ill. 9 ref. (NAL Call No.: 79.8 W41).

1376

Effects of incorporation depth on alachlor, acetochlor, and cyanazine in corn (Weed, control).
Chitapong, P. Ilnicki, R.D.; Baumley, J.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 2-5.p. 2-5. (NAL Call No.: 79.9 N814).

1377

Enhanced degradation of atrazine by corn (Zea mays) (Herbicide).
Jachetta, J.J. Radosevich, S.R. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1981. v. 29 (1). p. 37-44. ill. 37 ref. (NAL Call No.: 79.8 W41).

1378

Enhancement of gibberellic acid sensitivity in corn (Zea mays) by fluridone and R-40244.
Devlin, R.M. Kisiel, M.J.; Kostusiak, A.S. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1980. v. 28 (1). p. 11-12. ill. 15 ref. (NAL Call No.: 79.8 W41).

1379

An evaluation of the critical period and the effects of weed competition on corn and oats / by Ming-yu Li.
Li, Ming-yu. 1960. Thesis (Ph.D.)--Rutgers, The State University, 1960. Photocopy. Ann Arbor, Mich. : University Microfilms International, 1978. iii, 162 leaves : ill., tables ; 20 cm. Bibliography: leaves 101-104. (NAL Call No.: DISS 60-01,441).

1380

Evaluations of herbicides for use in sweet corn (Digitaria sanguinalis, Amaranthus hybridus).
Porter, W.C. Auburn, Ala., The Society. Proceedings - Southern Weed Science Society. 1981. 1981. (34th). p. 108-111. Includes 1 ref. (NAL Call No.: 79.9 S08).

1381

Exudation of glyphosate from wheat (Triticum aestivum) plants and its effects on interplanted cron (Zea mays) and soybeans (Glycine max) (Growth regulator, herbicide uptake, no-tillage).
Rodrigues, J.J.V. Worsham, A.D.; Corbin, F.T. Champaign, Ill., Weed Science Society of America. Weed science. May 1982. v. 30 (3). p. 316-320. Includes 22 ref. (NAL Call No.: 79.8 W41).

1382

Fall panicum competition in conventional and no-till corn (Panicum dichootomiflorum, abstract only).
Crane, S. Ilnicki, R.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 22.p. 22. (NAL Call No.: 79.9 N814).

1383

Forage production and weed control in a double-cropping program (Avena sativa, Zea mays, Glycine max, Sorghum bicolor, Wisconsin).
Okoli, P.S.O. Drolsom, P.N.; Scholl, J.M. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 363-366. Includes references. (NAL Call No.: 4 AM34P).

1384

Germination techniques and metribuzin bioassay for large-seeded crops (Soybean, corn, cowpeas, herbicide).
Singh, M.PFSHA. Phatak, S.C.; Glaze, N.C. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 336-339. ill. Includes references. (NAL Call No.: 81 F66).

1385

Grain yields, soil water storage, and weed growth in a winter wheat-corn-fallow rotation (Nebraska).
Hoefer, R.H. Wicks, G.A.; Burnside, O.C. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 1066-1071. 15 ref. (NAL Call No.: 4 AM34P).

1386

Growers can reduce triazine resistance problems (Corn herbicides, weed control, New York State).
Hahn, R. Batavia : Agricultural Divisions of Cooperative Extension, Four Western Plain Counties, N.Y. State. Ag impact. Mar 1983. Mar 1983. p. 10-11. (NAL Call No.: S544.3.N7A45).

1387

Guidelines.
Nelson, L. V. Robertson, L. S.; Erdmann, M. H.; Guisenberry, D.; White, R. G.& No till corn: 1. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, Michigan 48824 1976. This publication discusses guidelines for no till corn including soil adaptation, equipment requirements, and control of weeds. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Extension Bulletin E-904).

1388

Herbicide effectiveness and weed populations in no-tillage corn.
Rieck, C.E. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C.,

U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 65-66. (NAL Call No.: SB951.I5 1979).

1389

Herbicide evaluation in sweet corn on Long Island (New York).
Sieczka, J.B. Creighton, J.F.; Sanok, W.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 136-137. (NAL Call No.: 79.9 N814).

1390

Herbicide response of common weeds.
Anderson, L. E. Aldrich, R. J.; Fletchall, O. Hale. 1981. This publication examines herbicide performance on common weeds that are found among corn, soybeans, and grain sorghum. Document available from: Extension Publications, 211 Whitten Hall, Univ. of Missouri, Columbia, Missouri 65201. 3 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: 4904).

1391

Herbicides for 0-till corn in sod, 1979.
McKibben, G.E. IL. Urbana-Champaign, Ill., Illinois Agricultural Experiment Station. DSAC - Dixon Springs Agricultural Center. Jan 1980. Jan 1980. (8). p. 49-52. 1 ref. (NAL Call No.: S1.D5).

1392

Herbicides for 0-till corn in soybean stubble, 1979.
McKibben, G.E. IL. Urbana-Champaign, Ill., Illinois Agricultural Experiment Station. DSAC - Dixon Springs Agricultural Center. Jan 1980. Jan 1980. (8). p. 57-60. 1 ref. (NAL Call No.: S1.D5).

1393

Incorporation effectiveness of various tillage tools (Herbicides application, maize).
Hartwig, N.L. Hoffman, L.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 82-86. ill. 2 ref. (NAL Call No.: 79.9 N814).

1394

Influence of herbicides and tillage on sweet corn double cropped after peas (Dinitroaniline herbicides).
Ndon, B.A. Harvey, R.G. Madison, Wis., American Society of Agronomy. Agronomy journal. 1981. v. 73 (5). p. 791-795. 19 ref. (NAL Call No.: 4 AM34P).

1395

Influence of napropamide on the uptake and translocation of mineral nutrients (Herbicide, radish, wheat, corn, soybean).
Devlin, R.M. Zbiec, I.I.; Karczmarczyk, S.J. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1982. v. 30 (5). p. 503-506. 7 ref. (NAL Call No.: 79.8 W41).

1396

Influence of nitrogen and corn population on no-tillage corn yield with and without crownvetch (Coronilla varia).
Cardina, J. Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 27-31. ill. 5 ref. (NAL Call No.: 79.9 N814).

1397

Influence of norflurazon on the activation of substituted diphenylether herbicides by light (Corn).
Devlin, R.M.WEESA. Karczmarczyk, S.J.; Zbiec, I.I. Champaign : Weed Science Society of America. Weed science. Jan 1983. v. 31 (1). p. 109-112. ill. 13 ref. (NAL Call No.: 79.8 W41).

1398

Influence of norflurazon on the light activation of oxyfluorfen (Diphenylether herbicides, phytotoxicity, corn).
Devlin, R.M. Karczmarczyk, S.J.; Zbiec, I.I.; Saras, C.N. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 81-85. ill. Includes 5 ref. (NAL Call No.: 79.9 N814).

1399

Integrated plant protection for corn and sorghum in the United States--weeds.
Jennings, V.M. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 433-435. Includes 4 ref. (NAL Call No.: SB951.I5 1979).

1400

Interaction of crop plant population with weed competition in corn (Zea mays L.) bush snap beans (Phaseolus vulgaris L.), and onion (Allium cepa L.) at differing stages of development / by Clarence Frank Williams.
Williams, Clarence Frank, 1940. 1971. Thesis (Ph.D.)--Oregon State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 62 leaves ; 21 cm. Bibliography: leaves 59-62. (NAL Call No.: DISS 71-25,337).

1401

Interactions between selected herbicides and protectants on corn (Zea mays) (Antidotes, antagonism).
Hatzios, K.K.WEESA6. Champaign : Weed Science Society of America. Weed science. Jan 1984. v. 32 (1). p. 51-58. Includes references. (NAL Call No.: 79.8 W41).

1402

Itchgrass: predicting its potential range (Rottboellia exaltata, weed in maize, soybean and sugarcane fields).
Duncan, N. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Oct 1983. v. 32 (3). p. 13. ill. (NAL Call No.: 1.98 AG84).

1403

Layby herbicide application for season-long weed control in irrigated corn (Zea mays).
Moomaw, R.S.WEESA. Martin, A.R.; Wilson, R.G. Jr. Champaign : Weed Science Society of America. Weed science. Jan 1983. v. 31 (1). p. 137-140. 6 ref. (NAL Call No.: 79.8 W41).

1404

Legume sods as living mulches in sweet corn (Weed control).
Vrabel, T.E. Minotti, P.L.; Sweet, R.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 158-159.p. 158-159. (NAL Call No.: 79.9 N814).

1405

Localization of atrazine in corn (Zea mays), oat (Avena sativa), and kidney bean (Phaseolus vulgaris) leaf cells (Herbicide).
Norris, R.F.WEESA. Fong, I.E. Champaign : Weed Science Society of America. Weed science. Sept 1983. v. 31 (5). p. 664-671. ill. Includes references. (NAL Call No.: 79.8 W41).

1406

Longevity of witchweed (Striga asiatica) seed (Effect of storage conditions on seed germination, parasitizes maize, sorghum, sugarcane, rice, North Carolina).
Bebawi, F.F. Eplee, R.E.; Harris, C.E.; Norris, R.S. Champaign, Ill. : Weed Science Society of America. Weed science. July 1984. v. 32 (4). p. 494-497. Includes 14 references. (NAL Call No.: 79.8 W41).

1407

The metabolism of the herbicide n,n-dimethyl-2,-diphenylacetamide by corn root / by Robert William Yaklich.
Yaklich, Robert William, 1942. 1970. Thesis--West Virginia University. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. x, 104 leaves. Bibliography: leaves (91)-99. (NAL Call No.: DISS 70-22,626).

1408

The mode of action of chlorsulfuron: the lack of direct inhibition of plant DNA synthesis (Herbicide, barley, corn, soybean).
Ray, T.B. New York, Academic Press. Pesticide biochemistry and physiology. Oct 1982. v. 18 (2). p. 262-266. 8 ref. (NAL Call No.: SB951.P49).

1409

Multiple herbicide combinations for fall panicum (Panicum dichotomiflorum) control in no-tillage corn.
Parochetti, J.V. EX. Harris, T.C. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 59-67. ill. 3 ref. (NAL Call No.: 79.9 N814).

1410

Napropamide binding in corn (Zea mays) root tissue (Herbicide).
Barrett, M.WEESA. Ashton, F.M. Champaign : Weed Science Society of America. Weed science. Sept 1983. v. 31 (5). p. 712-719. ill. Includes references. (NAL Call No.: 79.8 W41).

1411

Napropamide fluxes in corn (Zea mays) root tissue (Herbicides, residual fraction).
Barrett, M.WEESA. Ashton, F.M. Champaign : Weed Science Society of America. Weed science. Jan 1983. v. 31 (1). p. 43-48. ill. 27 ref. (NAL Call No.: 79.8 W41).

1412

Napropamide, uptake, transport, and metabolism in corn (Zea mays) and tomato (Lycopersicon esculentum) (Herbicide, phytotoxicity).
Barrett, M. Ashton, F.M. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1981. v. 29 (6). p. 697-703. ill. 10 ref. (NAL Call No.: 79.8 W41).

1413

The nature of competition between Agropyron repens and Zea mays / by Nathan LeRoy Hartwig.
Hartwig, Nathan LeRoy, 1937. 1970. Thesis (Ph.D.)--University of Wisconsin, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. x, 123 leaves : ill. ; 21 cm. Bibliography: leaves 108-112. (NAL Call No.: DISS 70-20,846).

1414

Outfoxing foxtail (Alopecurus). Don't take this "easy to control" weed for granted (Maize).
Santa Fe Springs, Calif., Ned K. Rosenblatt. Aerial applicator. May 1981. v. 19 (4). p. 9. ill. (NAL Call No.: 333.8 AE8).

1415

Oxyfluorfen (a selective pre- and postemergence herbicide that controls broadleaf weeds in economically important crops such as soybeans, rice, peanuts, cotton, corn, forest, orchard, and plantation crops).
Adler, I.L. Hofmann, C.K. New York, Academic Press, 1980. Updated general techniques and additional pesticides, edited by Gunter Zweig and Joseph Sherma. p. 331-341. ill. 3 ref. (NAL Call No.: 395).

1416

Paypaya compound halts velvetleaf, not corn (Weed control, herbicides).
Madison, Wis. : American Society of Agronomy. Crops and soils magazine. Jan 1984. v. 36 (4). p. 9. (NAL Call No.: 6 W55).

1417

Performance of acetochlor (an acetanilide herbicide) in corn and potatoes in the northeastern United States.
Lynn, L.B. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 43-50. ill. 10 ref. (NAL Call No.: 79.9 N814).

1418

Persistence of atrazine (2-chloro-4-(ethylamino)-6-(isopropylamino)-s--triazine) as influenced by population densities and corn (Zea mays L.) hybrids / Basil Leon McIntyre.
McIntyre, Basil Leon, 1943. 1971. Thesis (Ph.D.)--Kansas State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v, 84 leaves ; 21 cm. Bibliography: leaves 65-69. (NAL Call No.: DISS 71-26,614).

1419

Pest control in commercial sweet corn production, 1983.
Doersch, R.E. Doll, J.D.; Grau, C.R.; Wedberg, J.L.; Craven, S.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. Supersedes A2345, Weed Control in Commercial Sweet Corn Production, and A2353, Bird, Insect and Disease Control in Commercial Sweet Corn Production. 1983. (A2345 rev.). 25 p. (NAL Call No.: S544.3.W6W53).

1420

Physiological and cytological effects of BAS 9052 OH on corn (Zea mays) seedlings (Phytotoxic action, herbicide).
Asare-Boamah, N.K.WEESA. Fletcher, R.A. Champaign : Weed Science Society of America. Weed science. Jan 1983. v. 31 (1). p. 49-55. ill. 17 ref. (NAL Call No.: 79.8 W41).

1421

Post-PIK (payment in kind) management--corn, soybean weed control (United States).
Knake, E.L. Madison, Wis. : American Society of Agronomy. Crops and soils magazine. Dec 1983. v. 36 (3). p. 15-17. ill. (NAL Call No.: 6 W55).

1422

Postemergence activity of registered preemergence herbicides for corn.
Harris, T.C. EX. Parochetti, J.V. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. Abstract only. v. 34. p. 37. (NAL Call No.: 79.9 N814).

1423

Postemergence applications of dicamba in several varieties of sweet corn (Herbicide).
Beale, M.W.PNWSB. Ilnicki, R.D.; Detlefsen, I.; Vitolo, D.B. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 199-204. (NAL Call No.: 79.9 N814).

1424

Postemergence weed control in corn.
Wilson, H.P. Norfolk, Va., The Service. The Vegetable growers news - Virginia Polytechnic Institute and State University, Cooperative Extension Service. June 1981. v. 35 (12). p. 1. (NAL Call No.: 275.28 V52).

1425

Potential antidotes against buthidazole injury to corn (Zea mays).
Hatzios, K.K. Penner, D. Champaign, Ill., Weed Science Society of America. Weed science. May 1980. v. 28 (3). p. 273-276. ill. 29 ref. (NAL Call No.: 79.8 W41).

1426

Potential injury from late herbicide applications in no-tillage corn (Paraquat, abstract only).
Harris, T.C. Ritter, R.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 35.p. 35. (NAL Call No.: 79.9 N814).

1427

Preemergence and postemergence applications of herbicides for weed control in sweet corn (Oregon).
Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 23-25. (NAL Call No.: 100 OR3M).

1428

Principles and practices of weed control in corn and grain sorghum.
Swann, C.W. Athens, Ga., The Service. Bulletin - Georgia University, Cooperative Extension Service. June 1980. June 1980. (834). 18 p. ill. (NAL Call No.: 275.29 G29B).

1429

Quackgrass (Agropyron repens) interference on corn (Zea mays) (Weed competition).
Young, F.L. Wyse, D.L.; Jones, R.J. Champaign : Weed Science Society of America. Weed science. Mar 1984. v. 32 (2). p. 226-234. ill. Includes references. (NAL Call No.: 79.8 W41).

1430

Rapid growth responses of dwarf corn coleoptile sections to picloram (Herbicide).
Chang, I.K.PCBPB. Foy, C.L. New York : Academic Press. Pesticide biochemistry and physiology. Apr 1983. v. 19 (2). p. 203-209. ill. Includes references. (NAL Call No.: SB951.P49).

1431

Reduced transpiration and increased water efficiency by diuron in corn (Zea mays).
Ahmed, S. Fletcher, R.A. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1980. v. 28 (2). p. 180-185. ill. 16 ref. (NAL Call No.: 79.8 W41).

1432

Response of sweetcorn (Zea mays) to alachlor, EPTC + R - 25788, and vernolate + R - 25788 (Herbicides, toxicity).
Ogg, A.G. Jr. Drake, S.R. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1982. v. 30 (5). p. 446-449. 18 ref. (NAL Call No.: 79.8 W41).

1433

Responses of several corn (Zea mays) cultivars and weed species to EPTC with and without the antidote R-25788 (Phytotoxicity, herbicides).
Sagaral, E.G. Foy, C.L. Champaign, Ill., Weed Science Society of America. Weed science. Jan 1982. v. 30 (1). p. 64-69. ill. Includes 19 ref. (NAL Call No.: 79.8 W41).

1434

Sandbur control in corn.
Moomaw, Russell S. Wicks, Gail A.; Wilson, Robert G. Jr. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1983. Presents information on description, sandbur competition with corn, mechanical control, sandbur control with herbicides, herbicide application methods for Sutan+ and Eradicane, and layby herbicide application. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: G74-121).

1435

Season long grass control in corn and sorghum--a new approach.
Abernathy, J.R. Champaign, Ill., Weeds Today, Inc. Weeds today. Spring 1980. v. 11 (1). p. 24. ill. (NAL Call No.: SB610.W4).

1436

Shattercane (weed, in the southern Corn Belt): best control is prevention.
San Francisco, California Farmer. Agrichemical age. July 1980. v. 24 (7). p. 6-7. ill. (NAL Call No.: 381 AG85).

1437

Site of uptake and translocation of 14C (carbon isotope)-buthidazole in corn (Zea mays) and redroot pigweed (Amaranthus retroflexus).
Hatzios, K.K. Penner, D. Champaign, Ill., Weed Science Society of America. Weed science. May 1980. v. 28 (3). p. 285-291. ill. 11 ref. (NAL Call No.: 79.8 W41).

1438

Slick tricks for killing off alfalfa (Before no-tilling corn into sod, herbicides).
Waukesha, Wis. : No-Till Farmer, Inc. No-till farmer. Aug 1984. v. 13 (8). p. 8. ill. (NAL Call No.: S604.N6).

1439

Some acetanilide herbicides and incorporated sequentials in corn.
Sollazzo, P.J. Ilnicki, R.D.; Baumley, J.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 6-13.p. 6-13. (NAL Call No.: 79.9 N814).

1440

Suppression of crownvetch (Coronilla varia) for no-tillage corn.
Cardina, J. Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 53-58. ill. 4 ref. (NAL Call No.: 79.9 N814).

1441

Sweet corn and weed response to differently timed post emergence applications of atrazine, 2,4-D, dicamba, alachlor and metolachlor (Includes phytotoxicity).
Minotti, P.L. Hughes, B.J.; Sweet, R.D.; Warholic, D.T. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 288-292. ill. 3 ref. (NAL Call No.: 79.9 N814).

1442

A technique for estimating weed seed populations in cultivated soil (in vegetable cropping systems, Italian ryegrass, sweet corn, southern pea, bush snapbean).
Standifer, L.C. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1980. v. 28 (2). p. 134-138. ill. 27 ref. (NAL Call No.: 79.8 W41).

1443

Tillage effects on weed control (Herbicides, for corn and soybean production).
Pope, R.A. Siemens, J.C.; Bode, L.E. St. Joseph, Mich. (P.O. Box 410), American Society of Agricultural Engineers, 1980. Crop production with conservation in the 80's : proceedings of the American Society of Agricultural Engineers Conference on Crop Production with Conservation in the 80's, December 1-2, 1980, Palmer House, Chicago, Illinois. p. 134-142. ill. 4 ref. (NAL Call No.: S494.5.P75C7).

1444

Tolerance of corn to pendimethalin as affected by planting depth (Herbicide, phytotoxicity).
Pavlista, A.D.PNWSB. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 7-10. ill. Includes references. (NAL Call No.: 79.9 N814).

1445

The tolerance of Golden Jubilee variety sweet corn to herbicides applied preplant (Weed control, crop tolerance, Oregon).
Stranger, C.E.OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 20-22. (NAL Call No.: 100 OR3M).

1446

Triazine absorption by excised corn root tissue and isolated corn root protoplasts (Herbicide analogs).
Darmstadt, G.L.PCBPB. Balke, N.E.; Price, T.P. New York : Academic Press. Pesticide biochemistry and physiology. Feb 1984. v. 21 (1). p. 10-21. ill. Includes references. (NAL Call No.: SB951.P49).

1447

Triazine resistant barnyardgrass (Echinochloa crus-galli) control in field corn in Maryland).
Schnappinger, M.G. Hensley, J.R.; Bay, W.C.; Greene, D.L.; Pruss, S.W. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. p. 36-40. 9 ref. (NAL Call No.: 79.9 N814).

1448

Uptake and translocation of (14C carbon isotope)Asulam and (14C)Bromacil by roots of maize and bean plants (Zea mays, Phaseolus vulgaris, herbicides).
Gortz, J.H.PCBPB. Oorschot, J.L.P van. New York : Academic Press. Pesticide biochemistry and physiology. Feb 1984. v. 21 (1). p. 45-52. ill. Includes references. (NAL Call No.: SB951.P49).

1449

Use of corn root protoplasts in herbicide absorption studies.
Darmstadt, G.L.PCBPB. Balke, N.E.; Schrader, L.E. New York : Academic Press. Pesticide biochemistry and physiology. Apr 1983. v. 19 (2). p. 172-183. ill. Includes references. (NAL Call No.: SB951.P49).

1450

Varietal influence on control of volunteer corn with diclofop (2-(4-(2,4-dichlorophenoxy) phenoxy).
Andersen, R.N. AR-NC~AR-NC. Geadelmann, J.L. Peoria, Ill., The Region. Agricultural research results ARR-NC - Science and Education Administration, U.S. Dept. of Agriculture.United States. Dept. of Agriculture. Science and Education Administration. Agricultural Research. North Central Region. Feb 1979. Feb 1979. (1). 8 p. ill. 3 ref. (NAL Call No.: aS21.A75U75).

1451

Velvetleaf (Abutilon theophrasti) seed populations in six continuous-corn (Zea mays) fields (Weed seed dormancy).
Khedir, K.D. Roeth, F.W. Champaign, Ill., Weed Science Society of America. Weed science. July 1981. v. 29 (4). p. 485-490. 12 ref. (NAL Call No.: 79.8 W41).

1452

Velvetleaf (Abutilon theophrosti) control in corn.
Malefyt, T. Duke, W.B. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 29-34. ill. 7 ref. (NAL Call No.: 79.9 N814).

1453

Weed control.
Schultz, G. E. Meggitt, W. F.; Chase, R. W.& No till corn :; 4. Document available from: Michigan State Univ., Bulletin Office, P.O. Box 231, East Lansing, Michigan 48824 1979. This discusses herbicides used for vegetation control on no-till corn based on the type of vegetation cover. It also discusses herbicide safety. 5 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Extension Bulletin E-907).

1454

Weed control experiments in corn.
Leasure, J.K. Carbondale, Ill., Southern Illinois University. AG reviewSouthern Illinois University. School of Agriculture. 1981. 1981. p. PLSS48-PLSS53. (NAL Call No.: S537.S5S6).

1455

Weed control for corn and soybeans in reduced tillage systems.
Miller, G. R. Coultas, J. S.& Agricultural chemicals. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1979. Lists herbicides for corn and soybean grown in reduced tillage system. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Fs No.12).

1456

Weed control for corn in 1981.
McGlamery, M.D. Champaign, Ill., Weeds Today, Inc. Weeds today. Spring 1981. v. 12 (1). p. 5-6. ill. (NAL Call No.: SB610.W4).

1457

Weed control for reducing tillage in corn (Kansas).
Nilson, E.B. Manhatten : The Service. L - Cooperative Extension Service, Kansas State University. Sept 1982. Sept 1982. (653). 8 p. ill. Includes references. (NAL Call No.: 275.29 K13LE).

1458

Weed control in a winter wheat-corn-ecofarming rotation (Reduced tillage, row spacing, seeding rates, Triticum aestivum, Zea mays, Nebraska).
Vander Vost, P.B.AGJOA. Wicks, Gg.A.; Burnside, O.C. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 507-511. ill. Includes references. (NAL Call No.: 4 AM34P).

1459

Weed control in commercial sweet corn production.
Doersch, R. E. Doll, J. D. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1982. This publication lists herbicide treatments for specific weed problems; specifically for commercial sweet corn production. 11 p. (NAL Call No.: Document available from source.).(NAL Call No.: A2345).

1460

Weed control in corn.
Parker, R. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Dec 1980. Dec 1980. (0750). 6 p. (NAL Call No.: 275.29 W27P).

1461

Weed control in corn planted into untilled winter wheat stubble.
Burnside, O.C. Wicks, G.A. Madison, Wis., American Society of Agronomy. Agronomy journal. May/June 1982. v. 74 (3). p. 521-526. Includes 12 ref. (NAL Call No.: 4 AM34P).

1462

Weed control in double cropped corn, grain sorghum, or soybeans minimum-till planted following canning peas.
Ndon, B.A. Harvey, R.G.; Scholl, J.M. Madison, Wis., American Society of Agronomy. Agronomy journal. Mar/Apr 1982. v. 74 (2). p. 266-269. Includes 21 ref. (NAL Call No.: 4 AM34P).

1463

Weed control in reduced tillage corn.
Moomaw, Russell. Martin, Alex.; Shelton, David P. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1982. This publication discusses till-planting; slot-planting; disking and surface planting; and disking and listing as methods of weed control. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: G74-123).

1464

Weed control with butylate impregnated on fertilizer in corn (Nutsedge, Cyperus esculentus, Panicum dichotomiflorum).
Hartwig, N.L. Hoffman, L.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 52-54. (NAL Call No.: 79.9 N814).

1465

Weed, insect, and disease control guide: sweet corn.
Waters, luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L.& Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for sweet corn. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Ext. Folder 595).

1466

Weed seed decline in irrigated soil after six years of continuous corn (Zea mays) and herbicides (Amaranthus retroflexus, Chenopodium album).
Schweizer, E.E.WEESA6. Zimdahl, R.L. Champaign : Weed Science Society of America. Weed science. Jan 1984. v. 32 (1). p. 76-83. ill. Includes references. (NAL Call No.: 79.8 W41).

1467

Western Washington weed control guide: corn.
Peabody, D.V. WA. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University.Washington State University. Cooperative Extension Service. Mar 1980. Mar 1980. (4317). 7 p. (NAL Call No.: 275.29 W27MI).

1468

Wild proso millet (Panicum milaceaumw) threatens corn belt (in USA, Canada).
San Francisco, California Farmer Publishing Co. Agrichemical age. May 1981. v. 25 (5) p. 10, 12-13. ill. (NAL Call No.: 381 AG85).

1469

Witchweed regulated areas changed in North and South Carolina (Striga asiatica, a parasitic plant attacking corn, sorghum and other crops).
Washington : The Office. Major news releases and speeches - United States Department of Agriculture, Office of Governmental and Public Affairs. Oct 29/Nov 12, 1982. Oct 29/Nov 12, 1982. p. 23-24. (NAL Call No.: aS21.A8U51).

1470

With no-tillage, hit weeds early! (Early preplant application of herbicides, maize, soybeans, Iowa).
Waukesha, Wis. : No-Till Farmer, Inc. No-till farmer. Apr 1984. Apr 1984. p. 12. ill. (NAL Call No.: S604.N6).

1471

Yellow nutsedge : a menance in the Corn Belt / E.W. Stoller.
Stoller, E. W. Washington, D.C. Agricultural Research Service 1981. Issued Dec. 1981. 11 p. : ill. ; 28 cm. -. Bibliography: p. 10-11. (NAL Call No.: 1 Ag84Te no.1642).

1472

138 no-till tank mixes compared (Maize, soybeans, herbicide trials).
Lessiter, F. Waukesha, Wis. : No-Till Farmer, Inc. No-till farmer. Mar 1984. v. 13 (3). p. 12. ill. (NAL Call No.: S604.N6).

1473

Absorption and metabolism of the chiral isomers of fonofos in the corn and cotton plant.
Lee, P.W. Allahyari, R.; Fukuto, T.R. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1980. v. B15 (1). p. 25-37. ill. 7 ref. (NAL Call No.: TD172.J61).

1474

Alachlor (lasso) and metolachlor (dual) comparisons in conventional and reduced tillage systems (Weed control in corn).
Strek, H.J. Weber, J.B. Auburn, Ala., The Society. Proceedings - Southern Weed Science Society. 1981. 1981. (34th). p. 33-40. ill. Includes 5 ref. (NAL Call No.: 79.9 S08).

1475

Alternatives for reducing insecticides on cotton and corn : economic and environmental impact / by David Pimentel ... (et al.).
Pimentel, David. Athens, Ga. Environmental Research Laboratory, Office of Research and Development, U.S. E.P.A. 1979. Grant no. R802518-02. xii, 145 p. -. Bibliography: p. 68-70. (NAL Call No.: HC110.E5S7 No.79-007a).

1476

Annual progress report-1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication discusses the research center experiments on tiling methods, time of planting corn, S and Zn fertilizers, fuel and time requirements for tillage system, organic and chemical farming, soybean bacterial tan spot loss, and pasture nutrient losses. Herbicide evaluation and crop variety tests are included. 19 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-13).

1477

Antogonism with glyphosate and residual herbicide combinations (Used for control of perennial weeds and vegetation minimun-till cropping systems, maize, soybeans).
Selleck, G.W. Baird, D.D. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 185-190. 7 ref. (NAL Call No.: 79.8 W41).

1478

Atrazine persistence in a corn-soybean doublecropping system (Herbicide residue).
Brecke, B.J. Currey, W.L.; Teem, D.H. Madison, Wis., American Society of Agronomy. Agronomy journal. May/June 1981. v. 73 (3). p. 534-537. ill. 10 ref. (NAL Call No.: 4 AM34P).

1479

Bioactivity of systemic insecticides in corn and relationship to corn stunt disease / by Keshav M. Bhirud.
Bhirud, Keshav M. (Keshav Mitharam), 1942. 1971. Thesis (Ph.D.)--Mississippi State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. viii, 91 leaves ; 21 cm. Bibliography: leaves (84)-91. (NAL Call No.: DISS 71-27,026).

1480

Captan-treated seed corn in alcohol production (Maize feeds, fermentation with recycled distillery solubles, performance of chicks).
VanCauwenberge, J.E. Lagoda, A.A.; Bothast, R.J.; Allen, S.E.; Fahey, C.G. Jr. Washington : American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1984. v. 32 (1). p. 75-78. Includes references. (NAL Call No.: 381 J8223).

1481

Cellular absorption of 2,4-D and other herbicides by leaf sections of tobacco and corn / by John Michael Lumb.
Lumb, John Michael, 1936. 1971. Thesis (Ph.D.)--Univeristy of California, Davis, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. ix, 158 leaves ; 21 cm. Bibliography: leaves 150-158. (NAL Call No.: DISS 72-9,901).

1482

Chemical weed control in corn : 1981.
Wrage, Leon J. Arnold, W. E. Document available from: South Dakota State University, Ag. Information Bulletin Room, Extension Building, Brookings, South Dakota 57007 1981. This publication contains registered EPA herbicides for corn. Herbicide suggestions, reduced tillage systems furrow and top plant, band vs. broadcast, and irrigated corn are the topics discussed. 8 p. (NAL Call No.: Document available from source.).(NAL Call No.: FS 525C).

1483

Chemical weed control in field corn for 1982.
Kerr, Harold D. Scott, Joseph H.; Peters, E. J.; Anderson, L. E.; Fletchall, O. Hale.; Guethle, David.& Part 2 :; pre-emergence and postemergence. Document available from: University of Missouri, Extension Publication, 211 Whitten Hall, Columbia, Missouri 65201 1982. This publication discusses various herbicides and when to apply them. 8 p. (NAL Call No.: Document available from source.).(NAL Call No.: 4136).

1484

Chemical weed control in field corn for 1982.
Kerr, Harold D. Scott, Joseph H.; Peters, E. J.; Anderson, L. E.; Helsel, Zane R.; Guscar, Howard.& Part 1 :; preplanting incorporated treatments. Document available from: University of Missouri, Extension Publication, 211 Whitten Hall, Columbia, Missouri 65201 1982. This publication discusses herbicide evaluation and application rates. Topics include various herbicides and their uses. 4 p. (NAL Call No.: Document available from source.).(NAL Call No.: 4135).

1485

Chemicals for weed control in corn / Gerald R. Miller.
Miller, Gerald R. (St. Paul, Minn.) Agricultural Extension Service, University of Minnesota 1981. Pesticide Applicator Training Collection ~Cover title. (2) p. ; 28 cm. -. (NAL Call No.: SB608.M2M5 1981).

1486

Chinch bug (Heteroptera: Lygaeidae) control with insecticides on wheat, field corn, and grain sorghum, 1981 (Blissus leucopterus leucopterus, Chlorpyrifos, carbofuran, carbaryl).
Peters, L.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 178-181. Includes references. (NAL Call No.: 421 J822).

1487

Comparative susceptibility of corn crops to sodium chlorate injury by Annie M. Hurd-Karrer.
Hurd-Karrer, Annie M. (Annie May), 1893. Washington, D.C. U.S. Dept. of Agriculture 1940. 15 p., 2 leaves of plates : ill. -. Bibliography: p. 14-15. (NAL Call No.: Fiche S-69 no.648).

1488

A comparison of atrazine uptake, metabolism, and resistance in sorghum and corn / by Frederic Warren Roeth.
Roeth, Frederick Warren, 1941. 1969. Thesis--University of Nebraska. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. 78 leaves. Bibliography: leaves 73-78. (NAL Call No.: DISS 70-17,752).

1489

Competition between a thiocarbamate herbicide and herbicide protectants at the level of uptake into maize cells in culture (Injury, phytotoxic activity).
Ezra, G.PCBPB. Krochmal, E.; Gressel, J. New York : Academic Press. Pesticide biochemistry and physiology. Aug 1982. v. 18 (1). p. 107-112. ill. Includes references. (NAL Call No.: SB951.P49).

1490

Corn and soybean response to allelopathic effects of weed and crop residues.
Bhowmik, P.C. Doll, J.D. Madison, Wis., American Society of Agronomy. Agronomy journal. July/Aug 1982. v. 74 (4). p. 601-606. 17 ref. (NAL Call No.: 4 AM34P).

1491

Cyanazine losses in runoff from no-tillage corn in "living" and dead mulches vs. unmulched, conventional tillage (Herbicide, Zea mays).
Hall, J.K.JEVQAA. Hartwig, N.L.; Hoffman, L.D. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 105-110. Includes references. (NAL Call No.: QH540.J6).

1492

Cytological and biochemical effects of trifluralin on mitosis (in wheat, corn, and cotton root tips, preemergence herbicides).
Bartels, P.G. Hess, F.D.; Bayer, D.E. Honolulu, The Station. Technical Bulletin - Hawaii Agricultural Experiment Station, University of Hawaii. June 1981. June 1981. (100). p. 64-80. ill. 2 p. ref. (NAL Call No.: 100 H313T).

1493

Degradation of 14C (carbon isotope)-malathion in stored corn and wheat inoculated with Aspergillus glaucus.
Anderegg, B.N.JEENA. Madisen, L.J. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 733-736. Includes references. (NAL Call No.: 421 J822).

1494

Economic consequences of bans on corn (Zea mays) and soybean (Glycine max) herbicides commonly used on Indiana farms.
Cashman, C.M. Martin, M.A.; McCarl, B.A. Champaign, Ill., Weed Science Society of America. Weed science. May 1981. v. 29 (3). p. 323-328. 4 ref. (NAL Call No.: 79.8 W41).

1495

Effect of an insecticide and a herbicide combiantion on corn rootworm (Coleoptera: Chrysomelidae) damage (Diabrotica virgifera virgifera).
Gray, M.E. Coats, J.R.; Tollefson, J.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 465-467. Includes references. (NAL Call No.: 421 J822).

1496

Effect of atrazine on soil transformations of nitrogen and uptake by corn (Herbicides, denitrification).
Cervelli, S. Ciardi, C.; Perna, A. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Jan/Mar 1982. v. 11 (1). p. 82-86. ill. 31 ref. (NAL Call No.: QH540.J6).

1497

Effect of planting equipment and time of application on injury to no-tillage corn from pendimethalin-triazine mixtures.
Hartwig, N.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 68-73. ill. 1 ref. (NAL Call No.: 79.9 N814).

1498

Effect of SC-7245 on enzyme activity in corn and radish (Herbicide, phytotoxicity).
Devlin, R.M.PNWSB. Zbiec, I.I.; Karczmarczyk, J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 133-141. Includes references. (NAL Call No.: 79.9 N814).

1499

Effect of soil-applied carbofuran on transmission of maize chlorotic dwarf virus and maize dwarf mosaic virus to susceptible field corn hybrid (Blackfaced leafhopper, Graminella nigrifrons, Rhopalosiphum maidis, Zea mays).
Rains, B.D.JEENA. Christensen, C.M. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 290-293. Includes references. (NAL Call No.: 421 J822).

1500

The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia).
Dowler, C.C.GARRA. Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. ill. Includes references. (NAL Call No.: S51.E22).

1501

Effects of aflatoxin B1 and G1 on three insect pests of maize (Heliothis zea, Spodoptera frugiperda, Ostrinia nubilalis).
McMillian, W.W. AR-SO. Wilson, D.M.; Widstrom, N.W.; Perkins, W.D. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 26-28. ill. 21 ref. (NAL Call No.: 421 J822).

1502

Effects of corn residue and herbicide placement on herbicide runoff losses.
Baker, J.L. Laflen, J.M.; Hartwig, R.O. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Mar/Apr, 1982. v. 25 (2). p. 340-343. Includes 9 ref. (NAL Call No.: 290.9 AM32T).

1503

Effects of cover crops on the movement and fate of soil-applied (14C)-(carbon isotope) fonofos in a soil-plant-water microcosm (Maize, Lolium, insecticide translocation, residues).
Liang, T.T. Lichtenstein, E.P. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 204-210. ill. 10 ref. (NAL Call No.: 421 J822).

1504

The effects of Fall application of glyphosate on corn (Zea mays), soybeans (Glycine max), and johnsongrass (Sorghum halepense) (Phytotoxicity).
Jeffery, L.S. English, J.R.; Connell, J. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 190-195. ill. 9 ref. (NAL Call No.: 79.8 W41).

1505

Effects of permethrin on mortality and foraging behavior of honeybees in sweet corn (Apis mellifera).
Pike, K.S. Mayer, D.F.; Glazer, M.; Kious, C. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1982. v. 11 (4). p. 951-953. ill. 12 ref. (NAL Call No.: QL461.E532).

1506

Effects of plant pathogens on the fate of soil-applied (14C (carbon isotope)) carbofuran in corn plants (Giberella zeae, Puccinia sorghi).
Kunstman, J.L.JEENA. Lightenstein, E.P. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1014-1021. ill. Includes references. (NAL Call No.: 421 J822).

1507

Effects of the herbicide EPTC and the protectant DDCA on incorporation and distribution of (2-14C)acetate into major lipid fractions of maize cell suspension cultures (Injury).
Ezra, G.PCBPB. Gressel, J.; Flowers, H.M. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 225-234. ill. Includes references. (NAL Call No.: SB951.P49).

1508

Field crops herbicide manual for dealers and custom applicators.
Doersch, Ron. Doll, Jerry. 1982. This publication focuses information on annual weed control for corn, soybeans, sweet corn, peas, beans, sunflowers, grasses, small grains, legumes, alfalfa, and grass pastures. Document available from: Agricultural Bulletin Bldg., 1535 Observatory Drive, University of Wisconsin, Madison, Wisconsin 53706. 99 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: A2296).

1509

A gas chromatographic method for the determination of bendiocarb in soil and corn: application to the analysis of residues in corn (Pesticide used in controlling crop pests).
Szeto, S.Y. Wilkinson, A.T.S.; Brown, M.J. Washington : American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1984. v. 32 (1). p. 78-80. Includes references. (NAL Call No.: 381 J8223).

1510

The herbicidal mode of action of R-40244 and its absorption by plants (Corn, Zea mays, leaf chlorosis, phytotoxic action).
Lay, M.M.PCBPB. Niland, A.M. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 337-343. ill. Includes references. (NAL Call No.: SB951.P49).

1511

Herbicide incorporation and reduced tillage (Maize).
San Francisco, California Farmer Publishing Co. Agrichemical age. Apr 1981. v. 25 (4). p. 26-27. ill. (NAL Call No.: 381 AG85).

1512

Herbicide symptoms in corn (Injury).
Miller, G.R. MN. Breneman, D.; Behrens, R. St. Paul, Minn., The Service. Extension folder - Minnesota University, Agricultural Extension Service. 1980. 1980. (487). 4 p. ill. (NAL Call No.: 275.29 M66EX).

1513

Herbicides and fungicides inhibit Ca2+ (Calcium ion) uptake by plant mitochondria: a possible mechanism of action (Maize, zucchini).
Hertel, C.PCBPB. Marme, D. New York : Academic Press. Pesticide biochemistry and physiology. June 1983. v. 19 (3). p. 282-290. ill. Includes references. (NAL Call No.: SB951.P49).

1514

Impacts of pesticide withdrawal on a typical Indiana farm: an economic analysis.
Cashman, C.M. Martin, M.A.; McCarl, B.A. West Lafayette, The Station. Extract: This bulletin analyzes the short-run, farm-level economic impacts of possible Environmental Protection Agency bans on the use of selected corn and soybean pesticides commonly used in Indiana and elsewhere in the Corn Belt. Station bulletin - Dept. of Agricultural Economics, Agricultural Experiment Station, Purdue University. Sept 1980. Sept 1980. (291). 119 p. 19 ref. (NAL Call No.: HD1775.I6I5).

1515

In vitro release of bound (nonextractable) atrazine residues from corn plants by chicken liver homogenate and bovine rumen liquor (Maize, Zea mays).
Khan, S.U.JAFCA. Akhtar, M.H. Washington : American Chemical Society. Journal of agricultural and food chemistry. May 1983. v. 31 (3). p. 641-644. Includes references. (NAL

Call No.: 381 J8223).

1516

Influence of insecticides on sweet corn quality and their effectiveness in control of corn earworm (Heliothis zea).
Pike, K.S. AR-W. Drake, S.R. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1980. v. 15 (4). p. 523-524. 14 ref. (NAL Call No.: SB1.H6).

1517

Influence of metolachlor on sweet corn (Zea mays saccharata) growth and nutrient accumulation (Herbicide, injury).
Ellis, T.W.WEESA. Wilson, H.P.; Mascianica, M.P.; Janssen, K.A. Champaign : Weed Science Society of America. Weed science. May 1983. v. 31 (3). p. 342-347. ill. Includes references. (NAL Call No.: 79.8 W41).

1518

Influence of sweet corn cultivar, planting date, and insecticide on corn earworm damage (Heliothis zea, fenvalerate, thiodicarb, carbaryl).
Story, R.N.GENSA. Sundstrom, F.J.; Riley, E.G. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 350-353. Includes references. (NAL Call No.: QL461.G4).

1519

Influences of rainfall and sprinkler irrigation on the residual activity of insecticides applied to corn for control of adult western corn rootworm (Coleoptera:Chrysomelidae) (Diabrotica virgifera virgifera).
Mayo, Z.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 190-193. Includes references. (NAL Call No.: 421 J822).

1520

Information and restrictions on insecticide recommendations for field corn, small grains, soybeans and forages / Ohio State University, Cooperative Extension Service, Columbus, Ohio.
1981. This publication discusses current pest problems, general pest control, and includes tables on insecticide recommendation restrictions. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 9 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: Field Ent Series 1).

1521

Inhibition of chlorophyll accumulation by glyphosate (Soybeans, barley, maize).
Kitchen, L.M. Witt, W.W.; Rieck, C.E. Champaign, Ill., Weed Science Society of America. Weed science. July 1981. v. 29 (4). p. 513-516. 19 ref. (NAL Call No.: 79.8 W41).

1522

Inhibition of delta-aminolevulinic acid synthesis by glyphosate (Maize and barley).
Kitchen, L.M. Witt, W.W.; Rieck, C.E. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1981. v. 29 (5). p. 571-577. ill. 26 ref. (NAL Call No.: 79.8 W41).

1523

Interaction of antioxidants with ozone and herbicide stress (Tested with navy beans, maize, and soybeans, includes phytotoxicity).
Rubin, B. AR-NC. Leavitt, J.R.C.; Penner, D.; Saettler, A.W. New York, Springer. Bulletin of environmental contamination and toxicology. Oct 1980. v. 25 (4). p. 623-629. 10 ref. (NAL Call No.: RA1270.P35A1).

1524

Interactions of the herbicides EPTC and EPTC plus R-25788 (pesticide antidote) with ozone and antioxidants in corn (Prevention of herbicide damage to crops).
Hatzios, K.K.JAFCA. Washington : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1983. v. 31 (6). p. 1187-1191. Includes references. (NAL Call No.: 381 J8223).

1525

An investigation of the differential response of Zea mays inbreds to 2,2-dichloropropionic acid / by John Oscar Evans.
Evans, John Oscar, 1935. 1971. Thesis (Ph.D.)--University of Minnesota, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. x, 142 leaves ; 21 cm. Bibliography: leaves 123-129. (NAL Call No.: DISS 71-28,234).

1526

Maize yields and soil nutrient levels with and without pesticides and standard commercial fertilizers (Organic farming).
Lockeretz, W. Shearer, G.; Sweeney, S.; Kuepper, G.; Wanner, D.; Kohl, D.H. Madison, Wis., American Society of Agronomy. Agronomy journal. Jan/Feb 1980. v. 72 (1). p. 65-72. ill. 18 ref. (NAL Call No.: 4 AM34P).

1527

Management of corn insects.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training Collection. 49 slides : col. + 1 sound cassette (18:06 min.) + 1 script. (NAL Call No.: Slide no.1).

1528

Manipulation by Tridemorph, a systemic fungicide, of the sterol composition of maize leaves and roots (Zea mays).
Bladocha, M.PLPHA. Benveniste, P. Rockville : American Society of Plant Physiologists. Plant physiology. Apr 1983. v. 71 (4). p. 756-762. ill. Includes references. (NAL Call No.: 450 P692).

1529

Metabolism of EPTC in germinating corn: sulfone as the true carbamoylating agent.
Horvath, L. Pulay, A. New York, Academic Press. Pesticide biochemistry and physiology. Dec 1980. v. 14 (3). p. 265-270. ill. 17 ref. (NAL Call No.: SB951.P49).

1530

Metabolism of the herbicide buthidazole in corn seedlings and alfalfa plants.
Yu, C.C. Atallah, Y.H.; Whitacre, D.M. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1980. v. 28 (6). p. 1090-1095. ill. 6 ref. (NAL Call No.: 381 J8223).

1531

Methiocarb and thiram as corn seed repellents for thirteen-lined ground squirrels.
Zurcher, N.J.WLSBA. Johnson, R.J.; Timm, R.M. Bethesda : The Society. Wildlife Society bulletin. Spring 1983. v. 11 (1). p. 38-42. Includes references. (NAL Call No.: SK357.A1W5).

1532

Metolachlor and alachlor effects on membrane permeability and lipid synthesis (Herbicides, phytotoxicity, using roots of corn, soybean, cotton, cucumber, onion).
Mellis, J.M. Pillai, P.; Davis, D.E.; Truelove, B. Champaign, Ill., Weed Science Society of America. Weed science. July 1982. v. 30 (4). p. 399-404. ill. 27 ref. (NAL Call No.: 79.8 W41).

1533

Mid-season response of three carabids to soil insecticides applied to field corn plots at planting (Harpalus pennsylvanicus, Pterostichus chalcites, Calosoma sayi, beneficial insects, adverse effect of pesticides).
Lesiewicz, D.S. Van Duyn, J.W.; Bradley, J.R. Jr. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. Apr 1984. v. 19 (2). p. 271-275. Includes references. (NAL Call No.: QL461.G4).

1534

Minimization of insecticide treatment for first-generation European corn borer (Lepidoptera: Pyralidae) control in sweet corn (Ostrinia nubilalis).
Straub, R.W.JEENA. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 345-348. ill. Includes references. (NAL Call No.: 421 J822).

1535

Nebraska's IPM program in corn and feedlots / Lloyd W. Andersen.
Andersen, Lloyd W. (Lloyd William), 1924. Lincoln Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska 1980. Pesticide Applicator Training Collection ~Cover title ~"Issued November 1980. ~J-2, General. (2) p. ; 28 cm. -. (NAL Call No.: SB608.M2A5).

1536

Oxyfluorfen (a selective pre- and postemergence herbicide that controls broadleaf weeds in economically important crops such as soybeans, rice, peanuts, cotton, corn, forest, orchard, and plantation crops).
Adler, I.L. Hofmann, C.K. New York, Academic Press, 1980. Updated general techniques and additional pesticides, edited by Gunter Zweig and Joseph Sherma. p. 331-341. ill. 3 ref. (NAL Call No.: 395).

1537

Pesticides used in Iowa crop production in 1978 and 1979.
Becker, Roger. Stockdale, Harold. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. This publication looks at a survey that examined Iowa's rate and application of pesticides on corn, soybean, grain sorghum, wheat, small grains, alfalfa, other hay, and pasture. Chemicals are either listed by trade or chemical name. 23 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Pm-964).

1538

Phosphine (fumigant) sorption and desorption by stored wheat and corn.
Dumas, T. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1980. v. 28 (2). p. 337-339. ill. 9 ref. (NAL Call No.: 381 J8223).

1539

Physiological effects of SC-7245 on Corn and radish (Herbicide, phytoxicity).
Devlin, R.M.PNWSB. Zbiec, I.I.; Karczmarczyk, S.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 126-132. Includes references. (NAL Call No.: 79.9 N814).

1540

Rapid effects of a thiocarbamate herbicide and its dichloroacetamide protectant on macromolecular syntheses and glutathione levels in maize cell cultures.
Ezra, G. Gressel, J. New York, Academic Press. Pesticide biochemistry and physiology. Feb 1982. v. 17 (1). p. 48-58. ill. Includes 28 ref. (NAL Call No.: SB951.P49).

1541

Regulation of the rate of atrazine detoxification by corn plants.
Sosnovaya, O.N. Merezhinskii, YU.G. New York, Allerton Press. Soviet agricultural sciences. 1979. 1979. (7). p. 14-17. 4 ref. (NAL Call No.: S1.S68).

1542

Response of blackbirds to Mesurol and Sevin applications on sweet corn (Insecticide, with bird-repellent properties).
Woronecki, P.P. Dolbeer, R.A.; Stehn, R.A. Washington, D.C., Wildlife Society. The Journal of wildlife management. July 1981. v. 35 (3). p. 693-701. 18 ref. (NAL Call No.: 410 J827).

1543

Response of sweetcorn (Zea mays) to alachlor, EPTC + R - 25788, and vernolate + R - 25788 (Herbicides, toxicity).
Ogg, A.G. Jr. Drake, S.R. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1982. v. 30 (5). p. 446-449. 18 ref. (NAL Call No.: 79.8 W41).

1544

Sevin sprayable versus Sevin XLR applied to field corn (Zea mays L.) at Pine Bluffs, Wyoming--effects on honeybees (Apis mellifera L.) (Residues, toxicity).
Hanny, B. Harvey, J. Hamilton, Ill., Dadant & Sons. American bee journal. July 1982. v. 122 (7). p. 506-508. 4 ref. (NAL Call No.: 424.8 AM3).

1545

Soil residual of ethalfluralin with cucumbers (and sweet corn, injury).
Williamson, S.W. Beste, C.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 189-194. ill. 3 ref. (NAL Call No.: 79.9 N814).

1546

Stability and effectiveness of fenitrothion on corn to control stored-product insects.
Kirkpatrick, R.L.GENSA. Redlinger, L.M.; Simonaitis, R.A.; Zettler, J.L. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 344-350. Includes references. (NAL Call No.: QL461.G4).

1547

Stand establishment and yield of corn as affected by herbicides and seed vigor (Illinois).
Johnson, R.R. Wax, L.M. Madison, Wis., American Society of Agronomy. Agronomy journal. 1981. v. 73 (5). p. 859-863. 15 ref. (NAL Call No.: 4 AM34P).

1548

Status of malathion resistance in five genera of beetles infesting farm-stored corn, wheat, and oats in the United States (Tribolium castaneum, Rhyzopertha dominica, Sitophilus spp., Cryptolestes spp., Oryzaephilus spp.).
Haliscak, J.P.JEENA. Beeman, R.W. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 717-722. maps. Includes references. (NAL Call No.: 421 J822).

1549

Summary of insecticide uses in Iowa for 1981 corn production.
Stockdale, Harold J. Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. Included are topics on insecticide uses for commonly found insects.

Insects, insecticides, application rates and nonchemical control methods are covered. 1 sheet. (NAL Call No.: Document available from source.).(NAL Call No.: IC-404).

1550

Sweet corn and weed response to differently timed post emergence applications of atrazine, 2,4-D, dicamba, alachlor and metolachlor (Includes phytotoxicity).
Minotti, P.L. Hughes, B.J.; Sweet, R.D.; Warholic, D.T. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 288-292. ill. 3 ref. (NAL Call No.: 79.9 N814).

1551

Synergistic interactions of tebuthiuron with EPTC + R-25788 and butylate + R-25788 in corn (Zea mays).
Hatzios, K.K. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1981. v. 29 (5). p. 601-604. ill. 27 ref. (NAL Call No.: 79.8 W41).

1552

Use of corn root protoplasts in herbicide absorption studies.
Darmstadt, G.L.PCBPB. Balke, N.E.; Schrader, L.E. New York : Academic Press. Pesticide biochemistry and physiology. Apr 1983. v. 19 (2). p. 172-183. ill. Includes references. (NAL Call No.: SB951.P49).

1553

1979 pesticide use on Florida vegetables, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the 1979 Vegetable Pesticide Survey, nearly 4.6 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on six vegetable crops in Florida. The six vegetable crops included cabbage, celery, lettuce, sweet corn, tomatoes, and watermelon. About 4.6 million acre-treatments were made ranging from 2.2 million for tomatoes to 148,800 for cabbage. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. July 1981. Available from NTIS. July 1981. (AGESS810708). 23 p. 6 ref. (NAL Call No.: 916762(AGE)).

1554

1979 pesticide use on vegetables in the Northeast, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, approximately 1.3 million pounds of pesticides were used to control weeds, insects, diseases and nematodes on 10 vegetable crops in New York and New Jersey. The 10 vegetable crops include cabbage, carrots, celery, cucumbers, green peas, lettuce, onions, snap beans, sweet corn, and tomatoes. Approximately 825,000 acre-treatments were made ranging from 262,000 for sweet corn to 700 for carrots. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS. Dec 1981. (AGES811218). 37 ref. 7 ref. (NAL Call No.: 916762(AGE)).

1555

1979 pesticide use on vegetables in the Northwest, a preliminary report.
Kuntz, B.T. Ferguson, W.L. Washington, D.C., The Service. Extract: According to a 1979 Vegetable Pesticide Survey, nearly 1.3 million pounds of pesticides were used to control weeds, insects, fungi, and nematodes on seven vegetable crops in Idaho, Oregon, and Washington. The seven vegetable crops included cabbage, carrots, green peas, lettuce, onions, snap beans, and sweet corn. Approximately 671,000 acre-treatments were made ranging from 255,000 for sweet corn to 1,800 for cabbage. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Mar 1982. Available from NTIS. Mar 1982. (AGES820305). 32 p. 4 ref. (NAL Call No.: 916762(AGE)).

1556

1979 pesticide use on vegetables in the Southeast, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: In this report, patterns of pesticide use in the Southeast (North Carolina, South Carolina, and Georgia) in 1979 are discussed for cabbage, cantaloups, cucumbers, snap beans, sweet corn, tomatoes, and watermelons. Survey data were collected on quantities of pesticides used, acres treated, acre-treatments, number of applications, annual rates, and rate per acre-treatment. This report provides information useful to policymakers, researchers, extension specialists, and industry personnel. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Oct 1981. Available from NTIS. Oct 1981. (AGES811029). 32 p. 11 ref. (NAL Call No.: 916762(AGE)).

1557

1979 pesticide use on vegetables in the Southwest, a preliminary report.
Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Abstract: According to U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, about 1.7 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on 10 vegetable crops in Arizona, Colorado, and Texas. The 10 vegetable crops included cabbage, cantaloups, carrots, cucumbers, lettuce, onions, snap beans, sweet corn, tomatoes, and watermelons. Nearly 1.1 million acre-treatments were made ranging from about 284,000 for onions to 4,000 for cucumbers and snap beans. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS - order no. PB82-166-885. Dec 1981. (AGES811221). 45 p. 7 ref. (NAL Call No.: 916762(AGE)).

1558

1980 Kansas field crop insect control recommendations.
Brooks, Leroy. Gates, Dell E. 1980. First this publication discusses some safety tips for using insecticides, then it discusses the control of insects attacking alfalfa, corn, sorghum, wheat, and soybeans. It also includes a list of the Poison Control Information Centers in Kansas. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 27 p. (NAL Call No.: C 431).

1559

1980 pesticide use on field corn in the Corn Belt.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service. Extract: Farmers reported that 144.8 million pounds (a.i.) of pesticides were applied to field corn in the Corn Belt during 1980. This consisted of 127 million pounds (a.i.) of herbicides and 17.8 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 75.5 million and consisted of 43.6 million with single material herbicides, 15.7 million with herbicide mixes, and 16.2 million with insecticides. The primary herbicides were alachlor, atrazine, butylate, and 2,4-D. The major insecticides were carbofuran, fonofos, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Jan 1982. Available from NTIS - order no. PB82-165-481. Jan 1982. (AGES820120). 30 p. 5 ref. (NAL Call No.: 916762(AGE)).

1560

1980 pesticide use on field corn in the Lake States.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service. Extract: Farmers reported that 49.3 million pounds (a.i.) of pesticides were applied to field corn in the Lake States during 1980. This consisted of 43.4 million pounds (a.i.) of herbicides and 5.9 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 26.3 million and consisted of 16 million with single material herbicides, 4.7 million with herbicide mixes, and 5.6 million with insecticides. The primary herbicides were alachlor, atrazine, cyanazine, and 2,4-D. The major insecticides were carbofuran, fonofos, phorate, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Jan 1982. Available from NTIS - order no. PB82-166-893. Jan 1982. (AGES820118). 23 p. 4 ref. (NAL Call No.: 916762(AGE)).

1561

1980 pesticide use on field corn in the major producing states.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service. Extract: Farmers reported that 245.9 million pounds (a.i.) of pesticides were applied to field corn in the major producing States during 1980. This consisted of 209.5 million pounds (a.i.) of herbicides and 36.4 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 135.4 million and consisted of 73.8 million with single material herbicides, 25.7 million with herbicide mixes, and 35.9 million with insecticides. The primary herbicides were alachlor, atrazine, and 2,4-D. The major insecticides were carbofuran, fonofos, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Feb 1982. Available from NTIS. Feb 1982. (AGES820202). 33 p. 4 ref. (NAL Call No.: 916762(AGE)).

1562

1980 pesticide use on field corn in the Northern Plains.
Hanthorn, M. Osteen, C.; McDowell, R.; Roberson, L. Washington, D.C., The Service. Extract: Farmers reported that 33.3 million pounds (a.i.) of pesticides were applied to field corn in the Northern Plains during 1980. This consisted of 23.7 million pounds (a.i.) of herbicides and 9.6 million pounds (a.i.) of insecticides. Pesticide acre-treatments totaled 23.1 million and consisted of 9 million with single material herbicides, 3.6 million with herbicide mixes, and 10.5 million with insecticides. The primary herbicides were alachlor, atrazine, and 2,4-D. The major insecticides were carbofuran, dimethoate, fonofos, parathion, and terbufos. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Feb 1982. Available from NTIS. Feb 1982. (AGES820204). 23 p. 4 ref. (NAL

Call No.: 916762(AGE)).

1563

1980 pesticide use on field corn in the Northern Plains / by Michael Hanthorn ... (et al.).
Hanthorn, Michael. Washington, D.C. Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture Springfield, Va. NTIS 1982. February 1982 ~PB82-220120. iii, 23 leaves : map ; 28 cm. -. Bibliography: p. 19. (NAL Call No.: aSB608.M2N5).

1564

1981 Kansas field crops insect control recommendations.
Brooks, Leroy. Gates, Dell E. 1981. First this publication discusses some safety tips for using insecticides, then it discusses the control of insects attacking alfalfa, corn, sorghum, wheat, and soybeans. It also includes a list of the Poison Control Information Centers in Kansas. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 28 p. (NAL Call No.: C 431).

1565

1982 weed control guide for field crops.
Barrett, Michael. Meggitt, William F. 1981. This publication has information on how to control weeds in corn, soybeans, small grains, field beans, sunflowers, potatoes, mint, sugarbeets, forages, & sorghum crops. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, MI 48824. 35 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: Ext. Bulletin E-434).

1566

Aflatoxin-producing fungi (Aspergillus flavus, Aspergillus parasiticus) in preharvest corn: inoculum source in insects and soils.
Lillehoj, E.B. AR-SRRC-AR-NC-AR-SO. McMillian, W.W.; Guthrie, W.D.; Barry, D. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Oct/Dec 1980. v. 9 (4). p. 691-694. 8 ref. (NAL Call No.: QH540.J6).

1567

A comparison of the degradation of 14C (carbon isotope)-labeled DHP (dehydrogenative polymerizate) and corn stalk lignins by micro- and macrofungi and bacteria (Wood decay, soil microorganisms).
Haider, K. Trojanowski, J. Boca Raton, Fla., CRC Press, c1980. Lignin biodegradation : microbiology, chemistry, and applications, editors, T. Kent Kirk, Takayoshi Higuchi, Hou-min Chang. v. 1 p. 111-134. ill. 100 ref. (NAL Call No.: TS933.L5L5).

1568

Decomposition of alfatoxin in soil (Corn infected by Aspergillus spp.).
Angle, J.S. Wagner, G.H. Madison, Wis., The Society. Journal - Soil Science Society of America. Nov/Dec 1980. v. 44 (6). p. 1237-1240. ill. 17 ref. (NAL Call No.: 56.9 S03).

1569

Dissipation of the herbicides atrazine and alachlor in a Maryland corn field (Soil profile).
Wu, T.L. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1980. v. 9 (3). p. 459-465. ill., map. 20 ref. (NAL Call No.: QH540.J6).

1570

Effect of atrazine on soil transformations of nitrogen and uptake by corn (Herbicides, denitrification).
Cervelli, S. Ciardi, C.; Perna, A. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Jan/Mar 1982. v. 11 (1). p. 82-86. ill. 31 ref. (NAL Call No.: QH540.J6).

1571

Response of crops to sorghum residues (Plant associations, sweet corn, snap beans, soil environment).
Ruiz-Sifre, G.V.JOSHB. Ries, S.K. Alexandria : The Society. Journal of the American Society for Horticultural Science. Mar 1983. v. 108 (2). p. 262-266. ill. Includes references. (NAL Call No.: 81 SO12).

1572

Annual progress report - 1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. This publication is a progress report and should not be considered conclusive. The topics covered are soil moisture report, K fertilization for corn and soybeans, sunflower populations, conservation tillage, crop disease trap plots, corn herbicides, spring wheat variety demonstration, musk thistle control, grain sorghum trial, and small grain selection. 17 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-10).

1573

Annual progress report - 1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication is a progress report in the following areas: soil moisture, corn and soybean herbicides, delayed planting of soybeans, plant populations for sunflowers, rock phosphate and superphosphate comparison, rates of N and P fertilizers, brown stem rot, tillage observations, seedbed preparations for corn and soybean, and crop variety research. 25 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-29).

1574

The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia).
Dowler, C.C.GARRA. Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. ill. Includes references. (NAL Call No.: S51.E22).

1575

Plant-soil interactions of chromium (Tannery sewage sludge, Zea mays, Phaseolus vulgaris).
James, B.R.JEVQAA. Bartlett, R.J. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 67-70. Includes references. (NAL Call No.: QH540.J6).

1576

Silage corn uptake of sludge-applied zinc and cadmium as affected by soil pH.
Pepper, I.L.JEVQA. Bezdicek, D.F.; Baker, A.S.; Sims, J.M. Madison : American Society of Agronomy. Journal of environmental quality. Apr/June 1983. v. 12 (2). p. 270-275. Includes references. (NAL Call No.: QH540.J6).

1577

Annual progress report - 1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1980. This publication is a progress report and should not be considered conclusive. The topics covered are soil moisture report, K fertilization for corn and soybeans, sunflower populations, conservation tillage, crop disease trap plots, corn herbicides, spring wheat variety demonstration, musk thistle control, grain sorghum trial, and small grain selection. 17 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-10).

1578

Annual progress report-1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication discusses the research center experiments on tiling methods, time of planting corn, S and Zn fertilizers, fuel and time requirements for tillage system, organic and chemical farming, soybean bacterial tan spot loss, and pasture nutrient losses. Herbicide evaluation and crop variety tests are included. 19 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: ORC 80-13).

1579

Application of sewage sludge to soils high in organic matter (Corn, soybeans).
King, L.D. Dunlop, W.R. Madison : American Society of Agronomy. Journal of environmental quality. Dct/Dec 1982. v. 11 (4). p. 608-616. 15 ref. (NAL Call No.: QH540.J6).

1580

Bermudagrass hay depletes soil potassium (Deficiency symptoms and yield decreases of successive corn crops, Alabama).
Burmester, C.H. Adams, F. Atlanta : Potash & Phosphate Institute. Better crops with plant food. Winter 1983/1984. v. 68. p. 18-19. (NAL Call No.: 6 B46).

1581

Effect of heavy meatals in sludge on agricultural crops (Tests on maize, uptake, phytotoxicity).
Hyde, H.C. Page, A.L.; Bingham, F.T.; Mahler, R.J. Washington, D.C., The Federation. Journal - Water Pollution Control Federation.Water Pollution Control Federation. Oct 1979. v. 51 (10). p. 2475-2486. ill. 20 ref. (NAL Call No.: 293.8 SE8).

1582

Effect of phosphorus levels on phosphorus deficiency symptoms and growth of three corn hybrids (Zea mays).
Obreza, T.A. Rhoads, F.M.; Stanley, R.L. Jr. (S.l.) : The Society. Proceedings - Soil and Crop Science Society of Florida. 1982. v. 41. p. 185-188. ill. Includes references. (NAL Call No.: 56.9 S032).

1583

Effects of varying salt levels in liquid swine manure on soil composition and corn yield.
Sutton, A.L.JEVQAA. Nelson, D.W.; Mayrose, V.B.; Nye, J.C.; Kelly, D.T. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 49-59. Includes references. (NAL Call No.: QH540.J6).

1584

Evaluation of the need for copper with several soil extractants (Deficiencies, critical levels, soybeans, Glycine max, corn, Zea mays, wheat, Triticum aestivum, soils from the Atlantic Coastal Plain, North Carolina).
Makarim, A.K.AGJOA. Cox, F.R. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 493-496. Includes references. (NAL Call No.: 4 AM34P).

1585

Foliar fertilizer damage to corn leaves: relation to cutivular penetration.
Neumann, P.M. Ehrenreich, Y.; Golab, Z. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 979-982. ill. 15 ref. (NAL Call No.: 4 AM34P).

1586

Land application of sewage sludge with regard to cropping system and pollution potential (Maize, rye, groundwater pollution, phytotoxicity).
Higgins, A.J. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. July/Sept 1984. v. 13 (3). p. 441-448. ill., maps. Includes references. (NAL Call No.: QH540.J6).

1587

Silage corn uptake of sludge-applied zinc and cadmium as affected by soil pH.
Pepper, I.L.JEVQA. Bezdicek, D.F.; Baker, A.S.; Sims, J.M. Madison : American Society of Agronomy. Journal of environmental quality. Apr/June 1983. v. 12 (2). p. 270-275. Includes references. (NAL Call No.: QH540.J6).

1588

The toxicity of banded urea or diammonium phosphate (starter fertilizer) to corn as influenced by soil temperature, moisture, and pH (hydrogen-ion concentration).
Creamer, F.L. Fox, R.H. Madison, Wis., The Society. Journal - Soil Science Society of America.Soil Science Society of America. Mar/Apr 1980. v. 44 (2). p. 296-300. ill. 29 ref. (NAL Call No.: 56.9 S03).

1589

Annual progress report - 1980 / Iowa State University.
Document available from: Iowa State University, Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011 1981. This publication is a progress report in the following areas: soil moisture, corn and soybean herbicides, delayed planting of soybeans, plant populations for sunflowers, rock phosphate and superphosphate comparison, rates of N and P fertilizers, brown stem rot, tillage observations, seedbed preparations for corn and soybean, and crop variety research. 25 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: DRC 80-29).

1590

Conservation tillage and corn diseases.
White, D.G. Yanney, J. St. Joseph, Mich. (P.O. Box 410), American Society of Agricultural Engineers, 1980. Crop production with conservation in the 80's : proceedings of the American Society of Agricultural Engineers Conference on Crop Production with Conservation in the 80's, December 1-2, 1980, Palmer House, Chicago, Illinois. p. 164-166. 8 ref. (NAL Call No.: S494.5.P75C7).

1591

Cyanazine losses in runoff from no-tillage corn in "living" and dead mulches vs. unmulched, conventional tillage (Herbicide, Zea mays).
Hall, J.K.JEVQAA. Hartwig, N.L.; Hoffman, L.D. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 105-110. Includes references. (NAL Call No.: QH540.J6).

1592

The effectiveness of cultivation as a control for corn earworm by G.W. Barber and E.F. Picke.
Barber, George W. Washington, D.C. U.S. Dept. of Agriculture 1937. 16 p. : ill. -. (NAL Call No.: Fiche S-69 no.561).

1593

Forage production and weed control in a double-cropping program (Avena sativa, Zea mays, Glycine max, Sorghum bicolor, Wisconsin).
Okoli, P.S.O. Drolsom, P.N.; Scholl, J.M. Madison, Wis. : American Society of Agronomy. Agronomy journal. May/June 1984. v. 76 (3). p. 363-366. Includes references. (NAL Call No.: 4 AM34P).

1594

Incorporation effectiveness of various tillage tools (Herbicides application, maize).
Hartwig, N.L. Hoffman, L.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 82-86. ill. 2 ref. (NAL Call No.: 79.9 N814).

1595

Influence of herbicides and tillage on sweet corn double cropped after peas (Dinitroaniline herbicides).
Ndon, B.A. Harvey, R.G. Madison, Wis., American Society of Agronomy. Agronomy journal. 1981. v. 73 (5). p. 791-795. 19 ref. (NAL Call No.: 4 AM34P).

1596

No-till culture of sweet corn in Maryland with reference to insect pests (Pseudaletia unipuncta, Agrotis ipsilon).
Harrison, F.P. Bean, R.A.; Qawiyy, O.J. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1980. v. 73 (3). p. 363-365. ill. 2 ref. (NAL Call No.: 421 J822).

1597

Pests and their control. Insect management (No-tillage, multicropping systems, corn insects).
Gregory, W.W. Raney, H.G. Lexington : The University, (1980?). No-tillage research: research reports and reviews / R. E. Phillips, G. W. Thomas and R. L. Blevins, editors ; University of Kentucky, College of Agriculture and Agricultural Experiment Station, Lexington. p. 55-68. 29 ref. (NAL Call No.: S604.N64).

1598

Southern corn billbug (Coleoptera:Curculionidae) and plant-parasitic nematodes: influence of no-tillage, coulter-in-row-chiseling, and insecticides on severity of damage to corn (Sphenophorus callosus, Hoplolaimus columbus, Criconemelia spp.).
All, J.N. Hussey, R.S.; Cummins, D.G. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 178-182. ill. Includes references. (NAL Call No.: 421 J822).

1599

Southwestern corn borer (Diatraea grandiosella) populations as affected by weather and tillage.
Daniels, N.E. TX. Chedester, L.D. College Station, Tex., The Station. MP - Texas, Agricultural Experiment Station. July 1980. July 1980. (1456). 5 p. 12 ref. (NAL Call No.: 100 T31M).

1600

Sweet corn budworm damage as affected by tillage (Spodoptera frugiperda, Pseudaletia unipuncta, Heliothis zea).
Clough, G.H. Halsey, L.H. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 251-253. 14 ref. (NAL Call No.: 81 F66).

1601

A technique for estimating weed seed populations in cultivated soil (in vegetable cropping systems, Italian ryegrass, sweet corn, southern pea, bush snapbean).
Standifer, L.C. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1980. v. 28 (2). p. 134-138. ill. 27 ref. (NAL Call No.: 79.8 W41).

1602

Tillage effects on weed control (Herbicides, for corn and soybean production).
Pope, R.A. Siemens, J.C.; Bode, L.E. St. Joseph, Mich. (P.O. Box 410), American Society of Agricultural Engineers, 1980. Crop production with conservation in the 80's : proceedings of the American Society of Agricultural Engineers Conference on Crop Production with Conservation in the 80's, December 1-2, 1980, Palmer House, Chicago, Illinois. p. 134-142. ill. 4 ref. (NAL Call No.: S494.5.P75C7).

1603

Weed control for corn and soybeans in reduced tillage systems.
Miller, G. R. Coultas, J. S.& Agricultural chemicals. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1979. Lists herbicides for corn and soybean grown in reduced tillage system. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Fs No.12).

1604

Weed control for reducing tillage in corn (Kansas).
Nilson, E.B. Manhatten : The Service. L - Cooperative Extension Service, Kansas State University. Sept 1982. Sept 1982. (653). 8 p. ill. Includes references. (NAL Call No.: 275.29 K13LE).

1605

Weed control in a winter wheat-corn-ecofarming rotation (Reduced tillage, row spacing, seeding rates, Triticum aestivum, Zea mays, Nebraska).
Vander Vost, P.B.AGJOA. Wicks, Gg.A.; Burnside, O.C. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 507-511. ill. Includes references. (NAL Call No.: 4 AM34P).

1606

Weed control in corn planted into untilled winter wheat stubble.
Burnside, O.C. Wicks, G.A. Madison, Wis., American Society of Agronomy. Agronomy journal. May/June 1982. v. 74 (3). p. 521-526. Includes 12 ref. (NAL Call No.: 4 AM34P).

1607

Weed control in double cropped corn, grain sorghum, or soybeans minimum-till planted following canning peas.
Ndon, B.A. Harvey, R.G.; Scholl, J.M. Madison, Wis., American Society of Agronomy. Agronomy journal. Mar/Apr 1982. v. 74 (2). p. 266-269. Includes 21 ref. (NAL Call No.: 4 AM34P).

1608

With no-tillage, hit weeds early! (Early preplant application of herbicides, maize, soybeans, Iowa).
Waukesha, Wis. : No-Till Farmer, Inc. No-till farmer. Apr 1984. Apr 1984. p. 12. ill. (NAL Call No.: S604.N6).

1609

Development of a bioluminescence assay for aldehyde pheromones of insects. II. Analysis of pheromone glands (Corn earworm, Heliothis zea, navel orangeworm, Amyelois transitella, western spruce budworm, Choristoneura occidentalis, spruce budworm, Choristoneura fumiferana, pest species of crops and trees).
Grant, G.G. Slessor, K.N.; Szittner, R.B.; Morse, D.; Meighen, E.A. New York, N.Y., Plenum Press. Journal of chemical ecology. June 1982. v. 8 (6). p. 923-933. 21 ref. (NAL Call No.: QD415.A1J6).

1610

Responses of selected plant species to elevated carbon dioxide in the field (Zea mays, Glycine max, Pinus taeda, Liquidambar styraciflua).
Rogers, H.H.JEVQA. Bingham, G.E.; Cure, J.D.; Smith, J.M.; Surano, K.A. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1983. v. 12 (4). p. 569-574. Includes references. (NAL Call No.: QH540.J6).

1611

A comparison of the degradation of 14C (carbon isotope)-labeled DHP (dehydrogenative polymerizate) and corn stalk lignins by micro- and macrofungi and bacteria (Wood decay, soil microorganisms).
Haider, K. Trojanowski, J. Boca Raton, Fla., CRC Press, c1980. Lignin biodegradation : microbiology, chemistry, and applications, editors, T. Kent Kirk, Takayoshi Higuchi, Hou-min Chang. v. 1 p. 111-134. ill. 100 ref. (NAL Call No.: TS933.L5L5).

1612

Effect of the European corn borer on yield of inbred and single-cross seed corn / by John Edward Campbell.
Campbell, John Edward, 1939. 1971. Thesis (Ph.D.)--Iowa State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. ii, 138 leaves ; 21 cm. Bibliography: leaves 92-95. (NAL Call No.: DISS 72-12,542).

1613

Effects of permethrin on mortality and foraging behavior of honeybees in sweet corn (Apis mellifera).
Pike, K.S. Mayer, D.F.; Glazer, M.; Kious, C. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1982. v. 11 (4). p. 951-953. ill. 12 ref. (NAL Call No.: QL461.E532).

1614

Facultative production of alates by greenbug and corn leaf aphid, and implications in aphid population dynamics (Homoptera: Aphididae) (Schizaphis graminum, Rhopalosiphum maidis).
Summy, K.R.JKESA. Gilstrap, F.E. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1983. v. 56 (3). p. 434-440. Includes references. (NAL Call No.: 420 K13).

1615

A faunistic and ecological study of the insects found on the corn plant in Minnesota / by Mary Ellen Warters.
Warters, Mary Ellen, 1926. 1969. Thesis (Ph.D.)--University of Minnesota, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xvi, 517 leaves : ill. ; 21 cm. Bibliography: leaves 376-391. (NAL Call No.: DISS 69-16,456).

1616

Influence of density of the European corn borer, Ostrinia nubilalis, (Lepidoptera: Pyralidae) on the parasitoid Lydella thompsoni (Diptera: Tachinidae).
Sandlan, K.P.EVETB. Jones, R.L.; Chiang, H.C. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 174-177. Includes references. (NAL Call No.: QL461.E532).

1617

Methods and markers for synchronizing maturation of fifth-stage larvae and pupae of the European corn borer, Ostrinia nubilalis (Lepidoptera: Pyralidae) (Biochemistry).
Gelman, D.B.AESAA. Hayes, D.K. College Park : The Society. Annals of the Entomological Society of America. Sept 1982. v. 75 (5). p. 485-493. ill. 1 p. ref. (NAL Call No.: 420 EN82).

1618

Oviposition by the fall armyworm onto stake flags and the influence of flag color and height (Spodoptera frugiperda in fields of sweet corn, Zea mays, near Athens, Georgia).
Thomson, M.S. All, J.N. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1982. v. 17 (2). p. 206-210. ill. Includes 4 ref. (NAL Call No.: QL461.G4).

1619

The relationship between the electroantennogram and simultaneously recorded single sensillum response of the european corn borer, Ostrinia nubilalis.
Nagai, T. New York : Alan R. Liss, Inc. Archives of insect biochemistry and physiology. 1983. v. 1 (1). p. 85-91. ill. Includes references. (NAL Call No.: QL495.A7).

1620

Seasonal phenology and biology of the southern corn billbug in eastern North Carolina (Spenophorus callosus).
Wright, R.J.GENSA. Van Duyn, J.W.; Bradley, J.R. Jr. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 376-385. Includes references. (NAL Call No.: QL461.G4).

1621

Some observations on ecology of the stalk borer (Papaipema nebris (Gn.):Noctuidae) in no-tillage corn agroecosystems (Ohio).
Stinner, B.R. McCartney, D.A.; Rubink, W.L. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. Apr 1984. v. 19 (2). p. 229-234. Includes references. (NAL Call No.: QL461.G4).

1622

Temperature-dependent model for postdiapause development and spring emergence of the European corn borer, Ostrinia nubilalis (Hubner) (Lepidoptera: Pyralidae), in North Carolina.
Anderson, T.E.EVETB. Kennedy, G.G.; Stinner,

R.E. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1307-1311. Includes references. (NAL Call No.: QL461.E532).

1623

Use of the DD 136 strain of Neoaplectana carpocapsae Weiser (Rhabditida: Steinernematidae) for control of corn earworm (Lepidoptera: Noctuidae).
Bong, C.F.J.JEENA. Sikorowski, P.P. College Park : Entomological Society of America. Neoaplectana carpocapsae, DD 136 strain used in field trials to control corn earworm, Heliothis zea; N. carpocapsae survives better and is more effective in early part of season. Journal of economic entomology. June 1983. v. 76 (3). p. 590-593. (NAL Call No.: 421 J822).

1624

Variations in flight patterns of European corn borer (Lepidiptera: Pyralidae) in New York (Ostrinia nubilalis).
Eckenrode, C.J.EVETB. Robbins, P.S.; Andaloro, J.T. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 393-396. maps. Includes references. (NAL Call No.: QL461.E532).

1625

Wind effect on western corn rootworm (Coleoptera: Chrysomelidae) flight behavior (Diabrotica virgifera virgifera).
Vanwoerkom, G.J.EVETB. Turpin, F.T.; Barrett, J.R. Jr. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 196-200. Includes references. (NAL Call No.: QL461.E532).

1626

Sevin sprayable versus Sevin XLR applied to field corn (Zea mays L.) at Pine Bluffs, Wyoming--effects on honeybees (Apis mellifera L.) (Residues, toxicity).
Hanny, B. Harvey, J. Hamilton, Ill., Dadant & Sons. American bee journal. July 1982. v. 122 (7). p. 506-508. 4 ref. (NAL Call No.: 424.8 AM3).

1627

A larval dispenser-capper machine for mass rearing the southwestern corn borer (Diatraea grandiosella).
Davis, F.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1980. v. 73 (5). p. 692-693. ill. 5 ref. (NAL Call No.: 421 J822).

1628

The influence of timely harvest on maize weevil (Sitophilus zeamais) feeding and fecundity on corn (host plant resistance).
Widstrom, N.W. McMillian, W.W.; Wiseman, B.R.
Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1981. v. 16 (2). p. 234-239. 12 ref. (NAL Call No.: QL461.G4).

1629

Blackbirds and corn in Ohio / by Richard A. Dolbeer.
Dolbeer, Richard A. Washington, D.C. U.S. Dept. of the Interior, Fish and Wildlife Service 1980. 18 p., (1) leaf of plates : ill. ; 27 cm. -. Bibliography: p. 16-18. (NAL Call No.: SB608.M2D65).

1630

Development of a bioluminescence assay for aldehyde pheromones of insects. II. Analysis of pheromone glands (Corn earworm, Heliothis zea, navel orangeworm, Amyelois transitella, western spruce budworm, Choristoneura occidentalis, spruce budworm, Choristoneura fumiferana, pest species of crops and trees).
Grant, G.G. Slessor, K.N.; Szittner, R.B.; Morse, D.; Meighen, E.A. New York, N.Y., Plenum Press. Journal of chemical ecology. June 1982. v. 8 (6). p. 923-933. 21 ref. (NAL Call No.: QD415.A1J6).

1631

Diapause in the nearctic species of the virgifera group of Diabrotica: evidence for tropical origin and temperate adaptations (Corn rootworm, ecologic aspects, USA).
Krysan, J.L. College Park, Md., The Society. Annals of the Entomological Society of America. Mar 1982. v. 75 (2). p. 136-142. ill., map. Includes 2 p. ref. (NAL Call No.: 420 EN82).

1632

Ecology and control of spider mites on corn in northeastern Colorado / J.A. Logan, B.D. Congdon, J.K. Alldredge.
Logan, J. A. Fort Collins Cooperative Extension Service, Colorado State University 1983. "August 1983". 41 p. : ill. ; 28 cm. -. Bibliography: p. 24-25. (NAL Call No.: 100 C71S (1) no.585S).

1633

Effect of diapause on the migration of the European corn borer (Ostrinia nubilalis) into the southeastern United States.
Showers, W.B. Raleigh, N.C., University Graphics, 1979. Movement of highly mobile insects: concepts and methodology in research; proceedings of a conference, "Movement of Selected Species of Lepidoptera in the Southeastern United States," Raleigh, North Carolina, April 9-11, 1979, edited by R. L. Rabb and G. G. Kennedy. p. 420-430. ill., maps. 22 ref. (NAL Call No.: SB945.L63M6).

1634

Facultative production of alates by greenbug and corn leaf aphid, and implications in aphid population dynamics (Homoptera: Aphididae) (Schizaphis graminum, Rhopalosiphum maidis).
Summy, K.R.JKESA. Gilstrap, F.E. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1983. v. 56 (3). p. 434-440. Includes references. (NAL Call No.: 420 K13).

1635

A faunistic and ecological study of the insects found on the corn plant in Minnesota / by Mary Ellen Warters.
Warters, Mary Ellen, 1926. 1969. Thesis (Ph.D.)--University of Minnesota, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xvi, 517 leaves : ill. ; 21 cm. Bibliography: leaves 376-391. (NAL Call No.: DISS 69-16,456).

1636

Flight of the corn earworm Helicoverpa armigera to components of the sex pheromone.
Buleza, V.V. Myttus, E.R.; Kovaleva, A.S.; Kagan, M.Z.; Kravchenko, V.D. New York, N.Y. : Consultant Bureau. Doklady : biological sciences - Akademiia nauk SSSR. Sept/Oct 1983 (pub.1984). Translated from: Akademiia nauk SSSR, Doklady, (1) p. 244-247. (511 P444A). v. 272 (1/6). p. 502-504. Includes references. (NAL Call No.: 511 P444AEB).

1637

A generalized phenological forecast model for European corn borer (Ostrinia nubilalis).
Brown, G.C. Lawrence : The Society. Journal of the Kansas Entomological Society. Oct 1982. v. 55 (4). p. 625-638. 20 ref. (NAL Call No.: 420 K13).

1638

Influence of density of the European corn borer, Ostrinia nubilalis, (Lepidoptera: Pyralidae) on the parasitoid Lydella thompsoni (Diptera: Tachinidae).
Sandlan, K.P.EVETB. Jones, R.L.; Chiang, H.C. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 174-177. Includes references. (NAL Call No.: QL461.E532).

1639

Oviposition by the fall armyworm onto stake flags and the influence of flag color and height (Spodoptera frugiperda in fields of sweet corn, Zea mays, near Athens, Georgia).
Thomson, M.S. All, J.N. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Apr 1982. v. 17 (2). p. 206-210. ill. Includes 4 ref. (NAL Call No.: QL461.G4).

1640

Seasonal phenology and biology of the southern corn billbug in eastern North Carolina (Spenophorus callosus).
Wright, R.J.GENSA. Van Duyn, J.W.; Bradley, J.R. Jr. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 376-385. Includes references. (NAL Call No.: QL461.G4).

1641

Soil temperature environment of overwintering western corn rootworm (Diabrotica virgifera virgifera) eggs.
Gustin, R.D. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1981. v. 10 (4). p. 483-487. 15 ref. (NAL Call No.: QL461.E532).

1642

Some observations on ecology of the stalk borer (Papaipema nebris (Gn.):Noctuidae) in no-tillage corn agroecosystems (Ohio).
Stinner, B.R. McCartney, D.A.; Rubink, W.L. Athens, Ga. : The Society. Journal of the Georgia Entomological Society. Apr 1984. v. 19 (2). p. 229-234. Includes references. (NAL Call No.: QL461.G4).

1643

Temperature-dependent model for postdiapause development and spring emergence of the European corn borer, Ostrinia nubilalis (Hubner) (Lepidoptera: Pyralidae), in North Carolina.
Anderson, T.E.EVETB. Kennedy, G.G.; Stinner, R.E. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1307-1311. Includes references. (NAL Call No.: QL461.E532).

1644

Variations in flight patterns of European corn borer (Lepidiptera: Pyralidae) in New York (Ostrinia nubilalis).
Eckenrode, C.J.EVETB. Robbins, P.S.; Andaloro, J.T. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 393-396. maps. Includes references. (NAL Call No.: QL461.E532).

1645

Wind effect on western corn rootworm (Coleoptera: Chrysomelidae) flight behavior (Diabrotica virgifera virgifera).
Vanwoerkom, G.J.EVETB. Turpin, F.T.; Barrett, J.R. Jr. College Park : Entomological Society of America. Environmental entomology. Feb 1983. v. 12 (1). p. 196-200. Includes references. (NAL Call No.: QL461.E532).

1646

Captan-treated seed corn in alcohol production (Maize feeds, fermentation with recycled distillery solubles, performance of chicks). VanCauwenberge, J.E. Lagoda, A.A.; Bothast, R.J.; Allen, S.E.; Fahey, C.G. Jr. Washington : American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1984. v. 32 (1). p. 75-78. Includes references. (NAL Call No.: 381 J8223).

1647

Methods and markers for synchronizing maturation of fifth-stage larvae and pupae of the European corn borer, Ostrinia nubilalis (Lepidoptera: Pyralidae) (Biochemistry).
Gelman, D.B.AESAA. Hayes, D.K. College Park : The Society. Annals of the Entomological Society of America. Sept 1982. v. 75 (5). p. 485-493. ill. 1 p. ref. (NAL Call No.: 420 EN82).

1648

The relationship between the electroantennogram and simultaneously recorded single sensillum response of the european corn borer, Ostrinia nubilalis.
Nagai, T. New York : Alan R. Liss, Inc. Archives of insect biochemistry and physiology. 1983. v. 1 (1). p. 85-91. ill. Includes references. (NAL Call No.: QL495.A7).

1649

Requirement for sequential enzymatic activities for penetration of the integument of the corn earworm (Heliothis zea) (by the fungus Beauveria bassiana).
Smith, R.J. Pekrul, S.; Grula, E.A. New York, Academic Press. Journal of invertebrate pathology. Nov 1981. v. 38 (3). p. 335-344. ill. 21 ref. (NAL Call No.: 421 J826).

1650

Description of Trilineelus clathrocutis n.g., n.sp. (Tylenchorhynchinae: Tulenchida Thorne, 1949) with a key to species and observations on Tylenchorhynchus sensu stricto (New taxa, maize, Lolium perenne, Georgia).
Lewis, S.A. Golden, A.M. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1981. v. 13 (2). p. 135-141. ill. 11 ref. (NAL Call No.: QL391.N4J62).

1651

Evidence for co-evolution of leafhoppers in the genus Dalbulus (Cicadellidae: Homoptera) with maize and its ancestors (Mexico).
Nault, L.R. Delong, D.M. College Park, Md., The Society. Annals of the Entomological Society of America. July 1980. v. 73 (4). p. 349-353. ill., map. 30 ref. (NAL Call No.: 420 EN82).

1652

The biology and morphology of the braconid chelonus annulipes Wesm., a parasite of the European corn borer by Arlo M. Vance.
Vance, A. M. (Arlo McGrillis), 1899. Washington, D.C. U.S. Dept. of Agriculture 1932. 48 p., 1 leaf of plates : ill. -. Bibliography: p. 48. (NAL Call No.: Fiche S-69 no.294).

1653

The biology of Cremastus flavoorbitalis (Cameron), an ichneumonid parasite of the European corn borer by W.G. Bradley and E.D. Burgess.
Bradley, W. G. (William George). Washington, D.C. U.S. Dept. of Agriculture 1934. 16 p., 2 leaves of plates : ill. -. Bibliography: p. 15. (NAL Call No.: Fiche S-69 no.441).

1654

Phaeogenes nigridens Wesmael, an important Echneumonid parasite of the pupa of the European corn borer by H.D. Smith.
Smith, H. D. Washington, D.C. U.S. Dept. of Agriculture 1932. 46 p. : ill., map -. Bibliography: p. 44-45. (NAL Call No.: Fiche S-69 no.331).

1655

Relationship of corn leaf aphid (Rhopalosiphum maidis) and maize dwarf mosaic disease to sweet corn yields in southeastern New York.
Straub, R.W. Boothroyd, C.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 92-95. ill. 16 ref. (NAL Call No.: 421 J822).

1656

Studies of Exeristes roborator (Fab.), a parasite of the European corn borer, in the Lake Erie area by W.A. Baker and L.G. Jones.
Baker, W. A. (William Alfonso). Washington, D.C. U.S. Dept. of Agriculture 1934. 27 p., 2 leaves of plates : ill. -. Bibliography: p. 25-26. (NAL Call No.: Fiche S-69 no.460).

1657

Use of the DD 136 strain of Neoaplectana carpocapsae Weiser (Rhabditida: Steinernematidae) for control of corn earworm (Lepidoptera: Noctuidae).
Bong, C.F.J.JEENA. Sikorowski, P.P. College Park : Entomological Society of America. Neoaplectana carpocapsae, DD 136 strain used in field trials to control corn earworm, Heliothis zea; N. carpocapsae survives better and is more effective in early part of season. Journal of economic entomology. June 1983. v. 76 (3). p. 590-593. (NAL Call No.: 421 J822).

1658

Epizootiology of Nosema pyrausta in field populations of the European corn borer (Lepidoptera: Pyralidae).
Andreadis, T.G. College Park, Md. : Entomological Society of America. Environmental entomology. June 1984. v. 13 (3). p. 882-887. (NAL Call No.: QL461.E532).

1659

Moldy corn : nutritive value, toxicity and mycoflora with special reference to Fusarium tricinctum (Corda) Snyder et Hansen / by Walter Friedrich Otto Marasas.
Marasas, Walter Friedrich Otto, 1941. 1969. Thesis (Ph.D.)--University of Wisconsin, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. xiv, 228 leaves : ill. ; 21 cm. Bibliography: leaves 206-228. (NAL Call No.: DISS 69-16,972).

1660

Nitrate toxicity-problem and prevention.
Rhykerd, C. R. Noller, C. H.& Agronomy guide. 1977. This publication deals with when, why, and how nitrate toxicity occurs and what can be done to prevent it. The publication was based on results of research where corn and sudangrass fertilized with 800 pounds per acre were fed to cattle and sheep. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, West Lafayette, IN 47907. 3 p. (NAL Call No.: ID-128).

1661

Chaetoglobosin K: A new plant growth inhibitor and toxin from Diplodia macrospora (Fungal pathogen of corn, toxicity, chicks, wheat).
Cutler, H.G. AR-SO~AR-NE. Crumley, F.G.; Cox, R.H.; Cole, R.J.; Dorner, J.W.; Springer, J.P.; Latterell, F.M.; Thean, J.E.; Rossi, A.E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1980. v. 28 (1). p. 139-142. ill. 16 ref. (NAL Call No.: 381 J8223).

1662

Effects of permethrin on mortality and foraging behavior of honeybees in sweet corn (Apis mellifera).
Pike, K.S. Mayer, D.F.; Glazer, M.; Kious, C. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1982. v. 11 (4). p. 951-953. ill. 12 ref. (NAL Call No.: QL461.E532).

1663

Sevin sprayable versus Sevin XLR applied to field corn (Zea mays L.) at Pine Bluffs, Wyoming--effects on honeybees (Apis mellifera L.) (Residues, toxicity).
Hanny, B. Harvey, J. Hamilton, Ill., Dadant & Sons. American bee journal. July 1982. v. 122 (7). p. 506-508. 4 ref. (NAL Call No.: 424.8 AM3).

1664

Energy conservation in grain (corn) drying with combination high-temperature, low-temperature methods / R. Vance Morey ...(et al.).
Morey, R. Vance. (Washington, D.C.?) U.S. Dept. of Energy 1980. Final report, July 1, 1978-December 31, 1979; work performed under Contract no. AS02-78CS40060. 34 p. : ill. ; 28 cm. -. Bibliography: p. 34. (NAL Call No.: SB189.77.E5).

1665

Prehelminthosporol and prehelminthosporol acetate: plant growth regulating properties (Dreschlera sorokiana isolated from maize roots, fungal extracts).
Cutler, H.G. Crumley, F.G.; Cox, R.H.; Davis, E.E.; Harper, J.L.; Cole, R.J.; Sumner, D.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1982. v. 30 (4). p. 658-662. ill. 16 ref. (NAL Call No.: 381 J8223).

1666

Guidelines.
Nelson, L. V. Robertson, L. S.; Erdmann, M. H.; Guisenberry, D.; White, R. G.& No till corn: 1. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, Michigan 48824 1976. This publication discusses guidelines for no till corn including soil adaptation, equipment requirements, and control of weeds. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Extension Bulletin E-904).

1667

Corn damage from conventional and rotary combines.
Paulsen, M.R. Nave, W.R. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Sept/Oct 1980. v. 23 (5). p. 1110-1116. ill. 8 ref. (NAL Call No.: 290.9 AM32T).

1668

Effect of drying conditions on impact shear resistance of selected corn varieties (Mechanical damage of maize grain during harvesting and handling).
Mensah, J.K. Herum, F.L.; Blaisdell, J.L.; Stevens, K.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1568-1572. ill. 9 ref. (NAL Call No.: 290.9 AM32T).

1669

Corn damage and breeding red-winged blackbird population density in western Ohio.
Stehn, R.A.WLSBA. de Becker, S.M.C. Bethesda : The Society. Wildlife Society bulletin. Fall 1982. v. 10 (3). p. 217-223. map. 22 ref. (NAL Call No.: SK357.A1W5).

1670

Estimating the relationship between pest management and energy prices, and the implications for environmental damage.
Miranowski, J.A. Lexington, Ky., American Agricultural Economics Association. Extract: This paper considers alternative pest management systems for corn production with rising energy prices. First, pest control practices are discussed. Second, historical data are used to estimate derived demand equations for insecticide and herbicide treatment. Third, the impact of rising energy prices on the future demand and supply of pest management systems and on the implied use of insecticides is considered. American journal of agricultural economics. Dec 1980. v. 62 (5). p. 995-1000. 19 ref. (NAL Call No.: 280.8 J822).

1671

Herbicide incorporation and reduced tillage (Maize).
San Francisco, California Farmer Publishing Co. Agrichemical age. Apr 1981. v. 25 (4). p. 26-27. ill. (NAL Call No.: 381 AG85).

1672

Evaluation of southwestern corn borer control through center-pivot chemigation (Irrigation systems, pest control, Texas High Plains).
Michels, G.J. Chedester, L.D. College Station : The Station. PR - Texas Agricultural Experiment Station. July 1983. July 1983. (4134). 6 p. ill. Includes references. (NAL Call No.: 100 T31P).

1673

Influence of irrigation practices on the spatial distribution of corn rootworm (Coleoptera: Chrysomelidae) eggs in the soil (Diabrotica longicornis barberi, Diabrotica virgifera virgifera).
Weiss, M.J.EVETB. Mayo, Z.B.; Newton, J.P. College Park : Entomological Society of America. Environmental entomology. Aug 1983. v. 12 (4). p. 1293-1295. Includes references. (NAL Call No.: QL461.E532).

1674

Influences of rainfall and sprinkler irrigation on the residual activity of insecticides applied to corn for control of adult western corn rootworm (Coleoptera:Chrysomelidae) (Diabrotica virgifera virgifera).
Mayo, Z.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 190-193. Includes references. (NAL Call No.: 421 J822).

1675

Insecticide application with sprinkler irrigation systems (Control of the fall armyworm, Spodoptera frugiperda and the corn earworm, Heliothis zea).
Young, J.R. Keisling, T.C.; Stansell, J.R. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1981. v. 24 (1). p. 120-123. ill. 12 ref. (NAL Call No.: 290.9 AM32T).

1676

Practices to minimize aflatoxin in corn (Aspergillus flavus, drying).
Glover, J.W. Krenzer, E. Jr. Raleigh, N.C., The Service. AG - North Carolina State University, Agricultural Extension Service. Sept 1980. Sept 1980. (234). 2 p. (NAL Call No.: S544.3.N6N62).

1677

Reducing grain dust with oil additives (Treatment of wheat and maize includes insecticide malathion for the control of pests during storage).
Lai, F.S. Miller, B.S.; Martin, C.R.; Storey, C.L.; Bolte, L.; Shogren, M.; Finney, K.F.; Quinlan, J.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1626-1631. ill. 12 ref. (NAL Call No.: 290.9 AM32T).

1678

Corn smut as a food source--perspectives on biology, composition, and nutrition (Ustilago magdis, includes control of the pathogen, its protein production).
Kealey, K.S. Kosikowski, F.V. Boca Raton, Fla., CRC Press. CRC critical reviews in food science and nutrition. Dec 1981. Literature review. v. 15 (4). p. 321-351. ill. 148 ref. (NAL Call No.: TP368.C7).

1679

Toxin-producing fungi in corn (Metobolites, mycotoxins, aflatoxins, Aspergillus flavus and Aspergillus parasiticus).
Lillehoj, E.B. Jefferson City, Mo., The Association. Official proceedings of the annual meeting - American Association of Feed Microscopists. 1980. 1980. (28th). p. 29-31. 3 ref. (NAL Call No.: 389.79 AM34).

1680

Aflatoxin concentration in corn as influenced by kernel development stage and postinoculation temperature in controlled environments (Aspergillus flavus).
Thompson, D.L. AR-SO~AR-NC. Lillehoj, E.B.; Leonard, K.J.; Kwolek, W.F.; Zuber, M.S. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1980. v. 20 (5). p. 609-612. ill. 14 ref. (NAL Call No.: 64.8 C883).

1681

Aflatoxin contamination of preharvest coen: interaction of European corn borer larvae and Aspergillus flavus-group isolates (Ostrinia nubilalis, vector).
Guthrie, W.D. Liliehoj, E.B.; Barry, D.; McMillian, W.W.; Kwolek, W.F.; Franz, A.O.; Catalano, E.A.; Russell, W.A.; Widstrom, N.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 265-269. 10 ref. (NAL Call No.: 421 J822).

1682

Aflatoxin destruction in (stored) corn using sodium bisulfite, sodium hydroxide and aqueous ammonia (Aspergillus flavus, Aspergillus parasiticus).
Moerck, K.E. McElfresh, P.; Wohlman, A.; Hilton B.W. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. July 1980. v. 43 (7). p. 571-574. ill. 31 ref. (NAL Call No.: 44.8 J824).

1683

Influence of irrigation and drought stress on invasion by Aspergillus flavus of corn kernels and peanut pods.
Cole, R.J. Hill, R.A.; Blankenship, P.D.; Sanders, T.H.; Garren, K.H. Arlington : Society for Industrial Microbiology. Developments in industrial microbiology. 1982. v. 23. p. 229-236. 1 p. ref. (NAL Call No.: 448.3 D49).

1684

Progress report on aflatoxins (Aspergillus flavus and Aspergillus parasiticus, corn contamination).
Byrd, T. NC. Raleigh, The Station. Research and farming - North Carolina Agricultural Research Service.North Carolina. Agricultural Experiment Station. Winter/Spring 1980. v. 38 (3/4). p. 10-11. ill. (NAL Call No.: 100 N81R).

1685

A study of varietal and environmental factors in relation to preharvest aflatoxin contamination of corn growth in the Southeastern United States.
Stoloff, L. Lillejoh, E.B.; Zuber, M.A. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. July 1981. v. 58 (7). p. 582A-583A. (NAL Call No.: 307.8 J82).

1686

Use of aflatoxin-producing ability medium to distinguish aflatoxin-producing stains of Aspergillus flavus (Fungi, corn).
Wickow, D.T. Shotwell, O.L.; Adams, G.L. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Mar 1981. v. 41 (3). p. 697-699. 4 ref. (NAL Call No.: 448.3 AP5).

1687

Zearalenone formation on corn by field inoculation.
Garcia Aguirre, G. White, D.G.; Shotwell, O.L. Champaign, Ill., The Society. Journal of the American Oil Chemists' Society. July 1981. v. 58 (7). p. 589A-590A. (NAL Call No.: 307.8 J82).

1688

Corn smut as a food source--perspectives on biology, composition, and nutrition (Ustilago magdis, includes control of the pathogen, its protein production).
Kealey, K.S. Kosikowski, F.V. Boca Raton, Fla., CRC Press. CRC critical reviews in food science and nutrition. Dec 1981. Literature review. v. 15 (4). p. 321-351. ill. 148 ref. (NAL Call No.: TP368.C7).

1689

Allowable storage time of corn as affected by heat buildup, natural convection and aeration.
Brooker, D.B. Duggal, A.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. May/June 1982. v. 25 (3). p. 806-810. 6 ref. (NAL Call No.: 290.9 AM32T).

1690

Captan-treated seed corn in alcohol production (Maize feeds, fermentation with recycled distillery solubles, performance of chicks).
VanCauwenberge, J.E. Lagoda, A.A.; Bothast, R.J.; Allen, S.E.; Fahey, C.G. Jr. Washington : American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1984. v. 32 (1). p. 75-78. Includes references. (NAL Call No.: 381 J8223).

1691

Harvesting, storing, and processing gib-infected corn.
Purdue University ~ Cooperative Extension Service. 1972. The purpose of this publication is to help farmers make decisions on Giberrella zeae infected corn. The article gives recommendations pertaining to harvesting, storing, and processing diseased corn. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, West Lafayette, IN 47907. 5 p. (NAL Call No.: ID-87).

1692

Reducing grain dust with oil additives (Treatment of wheat and maize includes insecticide malathion for the control of pests during storage).
Lai, F.S. Miller, B.S.; Martin, C.R.; Storey, C.L.; Bolte, L.; Shogren, M.; Finney, K.F.; Quinlan, J.K. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1981. v. 24 (6). p. 1626-1631. ill. 12 ref. (NAL Call No.: 290.9 AM32T).

1693

Urea and chemstor as preservatives for high-moisture corn.
Ghate, S.R. Bilanski, W.K.; Robinson, J.B. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1980. v. 23 (6). p. 1569-1572. 11 ref. (NAL Call No.: 290.9 AM32T).

1694

Aflatoxin contamination of preharvest coen: interaction of European corn borer larvae and Aspergillus flavus-group isolates (Ostrinia nubilalis, vector).
Guthrie, W.D. Liliehoj, E.B.; Barry, D.; McMillian, W.W.; Kwolek, W.F.; Franz, A.O.; Catalano, E.A.; Russell, W.A.; Widstrom, N.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1982. v. 75 (2). p. 265-269. 10 ref. (NAL Call No.: 421 J822).

1695

Effect of hybrids with different levels of susceptibility to second-generation european corn borers (Ostrinia nubilalis) on aflatoxin contamination in corn.
Guthrie, W.D. Lillehoj, E.B.; McMillian, W.W.; Barry, D.; Kwolek, W.F.; Franz, A.O.; Catalano, E.A.; Russell, W.A.; Widstrom, N.W. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1981. v. 29 (6). p. 1170-1172. 8 ref. (NAL Call No.: 381 J8223).

1696

Progress report on aflatoxins (Aspergillus flavus and Aspergillus parasiticus, corn contamination).
Byrd, T. NC. Raleigh, The Station. Research and farming - North Carolina Agricultural Research Service.North Carolina. Agricultural Experiment Station. Winter/Spring 1980. v. 38 (3/4). p. 10-11. ill. (NAL Call No.: 100 N81R).

1697

Toxin-producing fungi in corn (Metobolites, mycotoxins, aflatoxins, Aspergillus flavus and Aspergillus parasiticus).
Lillehoj, E.B. Jefferson City, Mo., The Association. Official proceedings of the annual meeting - American Association of Feed Microscopists. 1980. 1980. (28th). p. 29-31. 3 ref. (NAL Call No.: 389.79 AM34).

1698

Use of aflatoxin-producing ability medium to distinguish aflatoxin-producing stains of Aspergillus flavus (Fungi, corn).
Wickow, D.T. Shotwell, O.L.; Adams, G.L. Washington, D.C., American Society for Microbiology. Applied and environmental microbiology. Mar 1981. v. 41 (3). p. 697-699. 4 ref. (NAL Call No.: 448.3 AP5).

1699

Yellow rain experts battle over corn mold (Fusarium moniliforme, Arizona).
Marshall, E.SCIEA. Washington : American Association for the Advancement of Science. Science. Aug 3, 1983. v. 217 (4610). p. 526-529. ill. (NAL Call No.: 470 SCI2).

1700

Energy conservation in grain (corn) drying with combination high-temperature, low-temperature methods / R. Vance Morey ...(et al.).
Morey, R. Vance. (Washington, D.C.?) U.S. Dept. of Energy 1980. Final report, July 1, 1978-December 31, 1979; work performed under Contract no. AS02-78CS40060. 34 p. : ill. ; 28 cm. -. Bibliography: p. 34. (NAL Call No.: SB189.77.E5).

1701

Prehelminthosporol and prehelminthosporol acetate: plant growth regulating properties (Dreschlera sorokiana isolated from maize roots, fungal extracts).
Cutler, H.G. Crumley, F.G.; Cox, R.H.; Davis, E.E.; Harper, J.L.; Cole, R.J.; Sumner, D.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1982. v. 30 (4). p. 658-662. ill. 16 ref. (NAL Call No.: 381 J8223).

1702

Alternatives for reducing insecticides on cotton and corn : economic and environmental impact / by David Pimentel ... (et al.).
Pimentel, David. Athens, Ga. Environmental Research Laboratory, Office of Research and Development, U.S. E.P.A. 1979. Grant no. R802518-02. xii, 145 p. -. Bibliography: p. 68-70. (NAL Call No.: HC110.E5S7 No.79-007a).

1703

Cadmium-enriched sewage sludge application to acid and calcareous soils: relation between treatment, cadmium in saturation extracts, and cadmium uptake (by corn, chard, tomato).
Mahler, R.J. Bingham, F.T.; Sposito, G.; Page, A.L. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1980. v. 9 (3). p. 359-364. ill. 22 ref. (NAL Call No.: QH540.J6).

1704

Comparative toxicity of 131,596 chemicals to plant seeds (Corn, wild oats, cotton, soybean, radish).
Kenaga, E.E. New York, Academic Press. Ecotoxicology and environmental safety. Dec 1981. v. 5 (4). p. 469-475. Includes 5 ref. (NAL Call No.: QH545.A1E29).

1705

Cyanazine losses in runoff from no-tillage corn in "living" and dead mulches vs. unmulched, conventional tillage (Herbicide, Zea mays).
Hall, J.K.JEVQAA. Hartwig, N.L.; Hoffman, L.D. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 105-110. Includes references. (NAL Call No.: QH540.J6).

1706

Effects of air pollutants on corn (Zea mays, maize).
Kress, L.W. Arlington, Va. : Izaak Walton League of America, 1982. Effects of air pollution on farm commodities : proceedings of the symposium, Hyatt Regency Hotel, Washington, D.C., February 18, 1982. p. 91-101. 25 ref. (NAL Call No.: QK751.S92 1982).

1707

Effects of atrazine treatment of a corn field using different application methods, times, and additives on the persistence of residues in soil and their uptake by oat plants.
Khan, S.U. Marriage, P.B.; Hamill, A.S. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1981. v. 29 (2). p. 216-219. 25 ref. (NAL Call No.: 381 J8223).

1708

Effects of fluoride pollution on corn plants through phosphatic fertilizer dust fallout (Zea mays).
Seth, P.C.FLUOA. Sahu, S.; Pandey, G.S. Warren : International Society for Fluoride Research. Fluoride. Oct 1983. v. 16 (4). p. 235-242. Includes references. (NAL Call No.: QP981.F55F55).

1709

Effects of varying salt levels in liquid swine manure on soil composition and corn yield.
Sutton, A.L.JEVQAA. Nelson, D.W.; Mayrose, V.B.; Nye, J.C.; Kelly, D.T. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 49-59. Includes references. (NAL Call No.: QH540.J6).

1710

Interaction of antioxidants with ozone and herbicide stress (Tested with navy beans, maize, and soybeans, includes phytotoxicity).
Rubin, B. AR-NC. Leavitt, J.R.C.; Penner, D.; Saettler, A.W. New York, Springer. Bulletin of environmental contamination and toxicology. Oct 1980. v. 25 (4). p. 623-629. 10 ref. (NAL Call No.: RA1270.P35A1).

1711

Land application of chemically treated sewage sludge. III. Effects on soil and plant heavy metal content (Corn, bromegrass Bromus inermis).
Soon, Y.K. Bates, T.E.; Moyer, J.R. Madison, Wis., American Society of Agronomy. Journal of environmental quality. p. 497-504. ill. 28 ref. (NAL Call No.: QH540.J6).

1712

Land application of sewage sludge with regard to cropping system and pollution potential (Maize, rye, groundwater pollution, phytotoxicity).
Higgins, A.J. Madison,. Wis. : American Society of Agronomy. Journal of environmental quality. July/Sept 1984. v. 13 (3). p. 441-448. ill., maps. Includes references. (NAL Call No.: QH540.J6).

1713

Nonpoint source loading of toxic substances from decomposing crop residue (Watersheds, corn, barley, toxicity to turnip).
Glenn, S. College Park : The Center. Technical report - Maryland, University, Water Resources Research Center. Aug 1983. Aug 1983. (76). 14 p. Includes references. (NAL Call No.: TD423.A1M3).

1714

Plant-soil interactions of chromium (Tannery sewage sludge, Zea mays, Phaseolus vulgaris).
James, B.R.JEVQAA. Bartlett, R.J. Madison : American Society of Agronomy. Journal of environmental quality. Jan/Mar 1984. v. 13 (1). p. 67-70. Includes references. (NAL Call No.: QH540.J6).

1715

Response of corn and soybeans to simulated saline aerosol drift from brackish water cooling towers.
Mulchi, C.L. Armbruster, J.A. Madison, Wis., American Society of Agronomy. Journal of environmental quality. Oct/Dec 1981. v. 10 (4). p. 541-547. Includes 21 ref. (NAL Call No.: QH540.J6).

1716

Response of corn and soybeans to soil vs. foliar-applied salts of cooling tower origin (Zea mays, Glycine max, saline aerosol, air pollution).
Armbruster, J.A. Mulchi, C.L. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. Apr/June 1984. v. 13 (2). p. 278-282. Includes references. (NAL Call No.: QH540.J6).

1717

Sewage sludge application to calcareous strip-mine spoil. II. Effect on spoil and corn cadmium, copper, nickel, and zinc.
Pietz, R.I.JEVQA. Peterson, J.R.; Hinesly, T.D.; Ziegler, E.L.; Redborg, K.E. Madison : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1983. v. 12 (4). p. 463-467. Includes references. (NAL Call No.: QH540.J6).

1718

Uptake and phytotoxicity of di-N-butyl phthalate in corn (Zea mays).
Shea, P.J.BECTA. Weber, J.B.; Overcash, M.R. New York : Springer-Verlag. Bulletin of environmental contamination and toxicology. Aug 1982. v. 29 (2). p. 153-158. 1 p. ref. (NAL Call No.: RA1270.P35A1).

1719

Avoiding black cutworm (Lepidoptera: Noctuidae) losses in corn through education: evaluation of a grower-oriented manual/computer model instructional package (Agrotis ipsilon).
Troester, S.J.BESAA. Ruesink, W.G. College Park : The Society. Bulletin of the Entomological Society of America. Dec 1982. v. 28 (4). p. 349-353. Includes references. (NAL Call No.: 423.9 EN8).

1720

A generalized phenological forecast model for European corn borer (Ostrinia nubilalis).
Brown, G.C. Lawrence : The Society. Journal of the Kansas Entomological Society. Oct 1982. v. 55 (4). p. 625-638. 20 ref. (NAL Call No.: 420 K13).

1721

Simulating banks grass mite (Acari: Tetranychidae) population dynamics as a subsystem of a crop canopy-microenvironment model (Oligonychus pratensis, pest in corn, sorghum, wheat).
Toole, J.L. Norman, J.M.; Holtzer, T.O.; Perring, T.M. College Park, Md. : Entomological Society of America. Environmental entomology. Apr 1984. v. 13 (2). p. 329-337. Includes references. (NAL Call No.: QL461.E532).

1722

Temperature-dependent models of European corn borer (Lepidoptera: Pyralidae) development in North Carolina (Ostrinia nubilalis).
Anderson, T.E.EVETB. Kennedy, G.G.; Stinner, R.E. College Park : Entomological Society of America. Environmental entomology. Dec 1982. v. 11 (6). p. 1145-1150. Includes references. (NAL Call No.: QL461.E532).

1723

Trichogramma nubilale (Hymenoptera:Trichogrammatidae) field releases in corn and a hypothetical model for control of European corn borer (Lepidoptera:Pyralidae) (Ostrinia nubilalis).
Kanour, W.W. Jr. Burbutis, P.P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 103-107. Includes references. (NAL Call No.: 421 J822).

AUTHOR INDEX

Abernathy, J.R. 1435
Abt, J.J. 600, 168, 1141
Acosta, N. 766
ACSMC. 860, 817
ADAGA. 120, 229, 1238
Adams, C.A. 1361
Adams, C.T. 604
Adams, F. 1580, 1189
Adams, G.L. 1028, 1686, 1698, 951
Adams, N.J. 164, 979, 1300
Aday, B.A. 151, 948
Adler, I.L. 1415, 1536
AESAA. 687, 554, 1647, 1617
Agarwala, S.C. 211, 1225
Agee, H.R. 329
AGJOA. 74, 184, 1274, 52, 462, 129, 3, 1233, 81, 1605, 1458, 212, 1584, 1194, 635
AGJOAT. 164, 979, 1300
Ahmed, S. 243, 1431
Ainsworth, T.C. 870
Akers, D.P. 898, 897
Akhtar, M.H. 1515
Al-Hazmi, A.S. 737, 973, 773
Aldrich, R. J. 1390
Alexander, G.V. 1281
All, J.N. 657, 778, 1598, 391, 571, 1639, 1618, 1073, 651, 1151, 338, 624, 1150
Allahyari, R. 1473, 1208
Allen, R.R. 78, 689
Allen, S.E. 1646, 1690, 1480
Alley, H.P. 1359
Altieri, M.A. 395, 710
Aluisio, A.L. 1239, 1048
Alverson, D.R. 651, 1151, 624, 1150
Amparano, F. 219, 1200
Amrine, J.W. Jr. 286
Anaya, A.L. 224, 1328
and McMillian, W.W. 504
Andaloro, J.T. 704, 1644, 1624, 494
Anderegg, B.N. 857, 1493
Anderegg, J. 1001
Andersen, L.W. 8, 559
Andersen, Lloyd W. 560, 1535
Andersen, R.N. 1352, 115, 1371, 1450
Anderson, L. E. 41, 1483, 1341, 42, 1484, 1342, 1390
Anderson, R.J. 168, 600, 1141
Anderson, T.E. 393, 685, 1643, 1622, 686, 1722, 698, 440
Andow, D. 482
Andreadis, T.G. 427, 1658, 367, 495, 677
Andrew, R.H. 636
Angle, J.S. 856, 1568
Antonio, A.Q. 188, 641
Anzola, D. 1078
Apple, A.E. 142, 943
Apple, J.D. 237, 955
Archer, T.L. 714, 322, 716, 455, 125, 456
Arens, M.L. 779
Armbruster, J.A. 1716, 1272, 1715, 1271
Arnold, D.C. 475
Arnold, J.M. 157, 549
Arnold, W. E. 1482, 1335
Arny, D.C. 1217, 1216, 148, 946, 1037, 907, 1054, 1137, 928
Asare-Boamah, N.K. 1420, 1261
Ashley, R.A. 1368
Ashley, T.R. 574, 507, 572
Ashton, F.M. 1410, 1411, 1258, 1412
Atallah, Y.H. 1530, 1255
Atkins, R.E. 121, 894
Averre, C.W. 762
Awadallah, W.H. 319, 439
Ayers, J.E. 945, 147, 929, 139, 837, 1080, 1078, 938
Bagget, J.R. 829, 828
Baggett, J.R. 882, 130, 912, 131, 913, 827, 840
Baird, D.D. 1477, 1334
Baker, A.S. 1587, 1279, 1576
Baker, J.L. 1502
Baker, Norman T. 777
Baker, T.C. 303
Baker, W. A. 676, 1656
Balayan, V.M. 1311
Balke, N.E. 1446, 1552, 1449
Ball, H.J. 669, 405
Barak, A.V. 1320, 1308
Barber, George W. 489, 418, 1592, 569, 316
Barbieri, N. 1177
Barfield, C.S. 574
Barker, K.R. 73, 775, 762
Barna, B. 226, 864
Barnes, G. 44, 365
Barnes, J.M. 2, 1142
Barrett, J.R. Jr. 712, 1645, 1625, 503
Barrett, M. 1410, 1411, 1258, 1412
Barrett, Michael. 1565
Barrion, A.T. 648
Barry, B.D. 122, 445, 116, 411
Barry, D. 447, 188, 641, 281, 1681, 1694, 408, 1695, 493, 816, 1566
Bartels, P.G. 1224, 1492
Bartlett, R.J. 1264, 1714, 1575
Batchelder, C. H. 678
Bates, T.E. 217, 1252, 1711
Bauman, L.F. 137, 1296
Baumley, J.J. 1439, 1376
Bay, W.C. 1447
Bayer, D.E. 1492, 1224
BCPFA. 53, 213, 1242
Beale, M.W. 1423
Bean, J.N. 476
Bean, R.A. 563, 1596
Bebawi, F.F. 1406
Beck, D.L. 95, 304
Becker, Roger. 1537
Beckman, P.M. 853, 904
BECTA. 1718, 1288
Beeman, R.W. 1548, 1319, 1312
Behrens, R. 1512, 1246
Bell, D.K. 867, 996
Beniwal, Surendra Pal Singh,. 1161
Benveniste, P. 1528
Benzon, G. 701
Berger, P. 1176
Berger, R.H. 271
Bergman, M.K. 666, 627
Bergquist, R.R. 944, 146, 1034, 192, 1026
Bergstrom, G.C. 963

AUTHOR INDEX

Berle, K.L. 1280
Berry, E.C. 637, 474, 570, 460, 441, 547, 288
Bertic, B. 136, 1195
BESAA. 7, 299, 1719
Beste, C.E. 1282, 1545
Bezdicek, D.F. 1279, 1587, 1576
Bhirud, Keshav M. 1067, 1479
Bhowmik, P.C. 1327, 1490, 1353
Bianchi, A. 1177
Bierl-Leonhardt, B.A. 648, 647
Bilanski, W.K. 1693, 1302
Billett, W. 893
Bingham, F.T. 1703, 1218, 1581, 1229
Bingham, G.E. 244, 1610, 1275
Bishop, G.W. 562
Bissonnette, Howard L.& Commercial vegetable. 805, 709, 1465
Bladocha, M. 1528
Blaisdell, J.L. 1228, 1668
Blake, D.F. 100, 323, 610, 176, 510, 143, 591
Blanchard, R. A. 490
Blanco, M.H. 870
Blankenship, P.D. 941, 1683
Blee, E. 1361
Bockelman, D.L. 1100
Bockholt, A.J. 91, 813, 1303, 983
BOCMB. 819, 818
Bode, L.E. 1602, 1443
Boldt, Paul F. 709, 805, 1465
Bollinger, E.K. 272
Bolte, L. 1317, 1692, 1677
Bona, R.L. 191, 1163, 128, 1093, 127, 1091, 126, 1092
Bonde, M.R. 207, 965, 990, 883
Bonecchi, R. 1177
Bong, C.F.J. 703, 1623, 1657
Booth, G.D. 923
Boothroyd, C.W. 1169, 1655, 1144, 1126
Bothast, R.J. 1480, 1646, 1690
Bowden, R.L. 1044
Bowman, J.S. 95, 304
Boydston, R. 234, 1244
Bradfute, O.E. 1121, 1088, 6, 1104, 792, 1119
Bradley, J.R. Jr. 1533, 633, 1640, 1620, 480, 375, 645, 492
Bradley, W. G. 307, 1653
Bradshaw-Rouse, J.J. 1040
Brakke, M.K. 1084
Brandenburg, R.L. 612
Branson, T.F. 620, 180, 618, 500, 564, 583, 593
Branson, Terry Fred,. 388
Braun, E.J. 1061
Bray, O.E. 258
Brecke, B.J. 1215, 1478
Bremer, C.D. 594
Breneman, D. 1246, 1512
Brewbaker, J.L. 549, 157, 1147
Brewer, F.D. 381
Briggs, S. 833
Briggs, Steven. 831
Briggs, W.R. 241, 1263
Brindley, T.A. 586, 437, 232, 435
Brownfield, K.R. 965, 207
Brooker, D.B. 37, 1290, 1689
Brooks, Leroy. 720, 1558, 721, 1564
Brooks, R.J. 266, 277
Brown, D.W. 328
Brown, G.C. 377, 483, 1637, 1720
Brown, J.K. 535, 1106
Brown, M.J. 1509
Bruss, R.G. 910
Buckley, P.M. 189, 663
Buleza, V.V. 479, 1636
Burbutis, P.P. 700, 1723, 701, 602, 609
Burgos, C.F. 542
Burkhardt, C.C. 711
Burmester, C.H. 1580, 1189
Burnett, D.E. 642
Burns, Edward Earl,. 908, 1050
Burnside, O.C. 275, 81, 1605, 1458, 83, 1461, 1606, 1267, 56, 1385, 1322
Burton, R.L. 364, 664
Burton, V. 523, 755
Burton, V.E. 524, 756
Bush, P.B. 624, 1150
Butkewich, S. 579
Butler, L. 286
Buttery, R.G. 708
Bynum, E.D. 322
Bynum, E.D. Jr. 714, 125, 455, 456
Byrd, T. 978, 1696, 1684
Caldwell, R.W. 852, 969
Calvert, O.H. 999, 91, 813, 1303
Cameron, G.E. 103, 789
Campbell, John Edward,. 416, 1612
Campbell, R.T. 1344, 1347
Campos, V.P. 73, 775
Cantliffe, D.J. 936, 141
Cantone, F.A. 137, 1296
Cardina, J. 1396, 1440
Carey, E.E. 190, 1160
Carlson, R.B. 268
Carlton, W.W. 969
Carney, R.L. 620
Caro, J.H. 718
Carpenter, J.E. 420, 424
Carroll, R.B. 103, 789
Carson, M.L. 986, 171, 949, 149, 947
Casey, M.A. 590
Cashman, C.M. 18, 1514, 1367, 1494
Casida, J.E. 1361
Caslick, J.W. 272
Cassel, J.F. 268
Catalano, E.A. 281, 1694, 1681, 408, 1695, 812, 282
Cervelli, S. 1570, 1496
Chalfant, R.B. 17, 250
Chambliss, C. 23, 1370
Chandler, L.D. 716
Chang, Annabelle I-pin,. 868
Chang, I.K. 1430
Chapman, O.L. 647
Chase, R. W.& No till corn :. 79, 1453
Chatterjee, C. 211, 1225
Chedester, L.D. 321, 454, 1672, 530, 5, 662, 1599, 343
Chen, C.S. 1045
Chen, T.A. 1075, 1045
Chesebro, John William,. 937
Cheung, P.Y.K. 498
Chiang, H.C. 625, 505, 1638, 1616, 421, 443, 386, 598, 648, 496
Chisholm, D.A. 1043
Chitapong, P. 1324, 1376, 1374
Chomet, P.S. 158, 1122
Choudhury, M.M. 705, 1166
Christensen, C.M. 415, 1499, 1083
Christensen, N.W. 221, 1203
Ciardi, C. 1570, 1496
Citkomp, L. K.& Entomology fact sheet. 742
Claflin, L.E. 50, 878, 739, 1109, 1100, 1108
Claflin, Larry. 1114, 1074
Clark, R.B. 220, 1202, 1207, 1190
Clark, R.L. 413, 877
Clement, S.L. 414, 72, 608, 311, 428, 310, 541, 36, 283, 410, 590

Clough, G.H. 77, 682, 1600
Coats, J.R. 402, 1495
COBLA. 480
Cocucci, S.M. 228, 1230, 1219
Cohen, Y. 825, 863
Cole, R.J. 941, 1683, 975, 1701, 1665, 826, 1661, 865
Cole, W. 472
Colilla, William,. 961, 240
Comstock, Jack C. 950
Connell, J. 1375, 1504, 1236
Conover, M.R. 261
Conti, M. 1177
Coplin, D.L. 1043, 1040
Coppock, S. 475
Corbin, F.T. 233, 1381
Cornell, J.A. 741
Coultas, J. S.& Agricultural chemicals. 1603, 1455
Counce, P.A. 227, 1227
Cowley, R.J. 1306
Cox, C.P. 774
Cox, F.R. 212, 1194, 1584
Cox, R.H. 975, 1665, 1701, 826, 1661, 865
Coyne, D.P. 220, 1202
Craig, J. 838, 933, 834
Crane, S. 1382
Craven, S.R. 269, 800, 1419, 247
Crawford, J.L. 803, 771, 60, 751
Creamer, F.L. 1286, 1588
Creighton, C.S. 634, 694
Creighton, J.F. 1389
Cronholm, G.B. 632
Crookston, R.K. 242, 1268
Crosbie, T.M. 102, 1221
Cross, H.Z. 607, 175
Cross, J.H. 642
CRPSA. 946, 148, 603, 172, 484, 133
CRPSAY. 607, 175, 663, 189, 814, 1304, 50, 878, 95, 304
CRPTD6. 981, 166
CRSOA. 242, 1268, 360
Crumley, F.G. 975, 1665, 1701, 826, 1661, 865
Cruz, I. 717
Cullen, D. 852
Cummins, D.G. 778, 657, 1598
Cure, J.D. 244, 1275, 1610
Currey, W.L. 1215, 1478
Curtis, C.R. 1260
Cutler, H.G. 975, 1665, 1701, 826, 1661, 865
D'Arcy, C.J. 135, 1098, 190, 1160, 875, 1178, 28, 1179, 1111
Dahm, P.A. 318
Dale, J.E. 1349
Dale, J.L. 191, 1163, 128, 1093, 127, 1091, 126, 1092, 199, 1181, 200, 1180, 195, 1168
Daly, J.M. 1012, 819, 818, 226, 864, 977
Damsteegt, V.D. 1094, 1148, 1105
Daniels, N.E. 530, 5, 662, 1599, 661, 343
Danko, S.J. 1012
Danner, C.R. 257
Darmstadt, G.L. 1446, 1552, 1449
Darrah, L.L. 447, 814, 1304, 197, 1173, 641, 188, 549, 157, 870, 448, 1185
Davis, D.E. 1532, 1256
Davis, D.W. 166, 981, 92, 293, 93, 298, 501
Davis, E. G. 659
Davis, E.E. 975, 1665, 1701
Davis, F.M. 585, 619, 182, 52, 462, 129, 649, 172, 603, 635, 487, 665, 664, 550, 173, 605, 449, 123, 450, 124, 660, 538, 1627, 606, 174
Davis, J.C. 329
Davis, M.J. 1053
Davis, N.D. 817
Davis, R. 1307, 1315
Davis, R.E. 1124, 1075
Day, P.R. 915
de Becker, S.M.C. 264, 1669
De Zoeten, G.A. 1137
Deedat, Y.D. 373
Deith, D.L. 8, 559
DeKock, P.C. 215, 1196
Dellaporta, S.L. 158, 1122, 1157
Delong, D.M. 457, 1651
Delorme, J.D. 423
Despins, Joseph L. 51, 434
Detlefsen, I. 1423
Detlefsen, I.M. 1324
Deutscher, D. 448
Devlin, R.M. 1498, 1232, 1539, 1262, 1397, 214, 1395, 1398, 231, 1378
DeWitt, J.R. 368
DeWitt, Jerry. 267, 473
Di Vito, M. 752
Diano, M. 892
Dicke, E.B. 1313
Dickson, D.W. 741
Diener, U.L. 817
Diener, Urban L. 35, 808, 280
Dittrick, L.E. 386
Dixon, G.A. 1362, 1323
Dodd, J.L. 918, 995
DOEAA. 1329
Doersch, R. E. 82, 1459, 270
Doersch, R.E. 800, 269, 1419, 255
Doersch, Ron. 1508
Dolbeer, R.A. 273, 1542
Dolbeer, Richard A. 783, 1629
Doll, J. D. 82, 1459
Doll, J.D. 1327, 800, 269, 1419, 1490, 1353, 255, 1326
Doll, Jerry. 1508
Dollinger, E.J. 134, 1097, 1070, 161, 1129, 1172
Dorner, J.W. 826, 1661, 865
Doupnik, B. Jr. 1158
Doupnik, B., Jr. 1051, 1099
Doupnik, B.L. Jr. 1047
Doupnik, Ben Jr. 1010, 1060
Dowler, C.C. 1372, 1500, 1574, 17, 250, 753
Dowler, Clyde C. 15, 723
Drake, S.R. 1543, 1432, 508, 1516
Drolsom, P.N. 55, 1383, 1593
Drost, D.C. 1326
DUABA. 103, 789
Dubin, H.J. 248, 101
Dudley, J.W. 993, 186, 934, 140
Duggal, A.K. 37, 1290, 1689
Duke, W.B. 1452
Dumas, T. 1538
Duncan, H.E. 49, 876, 972, 909
Duncan, N. 1402, 1004
Dunkle, Larry D. 1060, 1010
Dunlop, W.R. 1213, 1579
Dunn, G.M. 95, 304
Dunn, M.T. 767, 246
DuRant, J.A. 403, 513, 616, 658
Earle, E.D. 106, 854, 119, 884, 887, 107, 855
Echandi, E. 698
Eck, H.V. 64, 216, 1251
Eckenrode, C.J. 704, 1624, 1644
Ecker, O. 1309, 1295
Eckhoff, S.R. 1292
Edwards, Richard C. 432, 352
Edwards, Richard C.& Field crops insects. 369
Edwards, Richard C.& Fields crops insects. 355

Ehrenreich, Y. 1585, 1243
Eichers, T.R. 9, 13, 253
El-Meleigi, M.A. 50, 878
Ellett, C. Wayne. 911
Elliger, C.A. 484, 133, 549, 157
Elliott, A.P. 746, 745
Ellis, C.R. 373
Ellis, R. Jr. 74, 184, 1274
Ellis, T.W. 1517, 1249
Emerson, P.M. 14, 276
English, J.R. 1504, 1236, 1375
Eplee, R.E. 1406
Epperson, J.E. 17, 250
Erbach, D.C. 485
Erdmann, M. H. 57, 1387, 1666
Ertle, L.R. 609
Erwin, N. 609
Espejo, O. 224, 1328
Espelie, K.E. 239, 206, 1197
Esser, R.P. 779
ETMNA. 286
Evans-Ruhl, G. 787
Evans, B.D. 295, 822
Evans, John Oscar,. 1525
Everett, P.H. 23, 1370
Everly, R.T. 695
EVETB. 400, 701, 653, 180, 618, 666, 394, 112, 509, 1673, 4, 422, 279, 507, 363, 712, 1625, 1645, 505, 1616, 1638, 628, 579, 704, 1644, 1624, 467, 421, 685, 1643, 1622, 645, 686, 1722
Ezra, G. 1240, 1507, 1222, 1489, 1269, 1540
Fahey, C.G. Jr. 1690, 1480, 1646
Fahim, M.M. 830, 225
Falk, B.W. 580, 1131, 1065, 1167, 1062
Farag, R.S. 830, 225
Faragalla, A.A. 474, 570
Farina, M.P.W. 1212
Farris, William S.& A backgrounder. 1003
Fassuliotis, G. 634
Favali, M.A. 1177
Fazli, Syed Fazal Imam,. 1149
Felsot, A.S. 599
Fennell, Joseph L. 623
Fenster, W.E. 71, 222, 1204
Fenwick, H.S. 1116
Ferguson, M.W. 1175
Ferguson, W.L. 31, 1555, 33, 1557, 29, 1553, 32, 1556, 30, 1554
Ferrari-Bravo, P. 228, 1230
Ferris, J.M. 758
Ferro, D.N. 579, 409, 1082
FETMA. 574
Fetzer, L.E. 1500, 1372, 1574
Findley, W.R. 814, 1304, 198, 1174, 196, 1171, 600, 168, 1141, 201, 1064, 1182, 134, 1097, 1070, 69, 1130, 91, 813, 1303, 161, 1129, 1172
Finney, K.F. 1317, 1677, 1692
Fisher, J.R. 180, 618, 500, 564, 684, 583, 557
Fleming, A.A. 984, 167
Fletchall, O. Hale. 41, 1483, 1341, 1390
Fletcher-Howell, G. 579
Fletcher, R.A. 1261, 1420, 243, 1431
Flock, R.A. 656, 1153
Flood, B.R. 341
Flowers, H.M. 1240, 1507
FLUOA. 1237, 1708
FNETD. 890, 846, 898, 895, 896, 746, 747
Foley, D.C. 880, 181, 991
Fong, I.E. 1405
Ford, J.H. 1352
Ford, R.E. 135, 1098, 875, 1089, 1132, 1170, 1178, 28, 1179, 1139
Forster, R.L. 1116
Foster, D.E. 469
Foster, David E. 67, 548, 357
Foster, G.H. 1291
Foster, J.H. 983
Foster, R.E. 643
Foudin, A.S. 999
Fox, J.A. 732
Fox, R.H. 1286, 1588
Foy, C.D. 89, 1209
Foy, C.L. 1430, 1433
Francis, J.A. 481
Franz, A.O. 281, 1681, 1694, 408, 1695, 282, 812
Frederiksen, R.A. 1029, 1030, 1021, 983
Freedman, B. 10, 553, 693, 561
Freeman, H.P. 718
Freeman, K.C. 96, 1069
French, J.A. 54, 468
French, L.K. 598, 54, 468
Fry, W.E. 943, 142
Frye, Richard Dean,. 309
Fuchs, D. 398
Fukuto, T.R. 1208, 1473
Fulk, D.W. 1309, 1295
Funderburk, J.E. 552
Gaard, G. 1137
Gantz, D. 905
Garcia Aguirre, G. 1687, 1038
Garcia-Aguirre, G. 953
Garcia, C. 448
Garden, F.T. 992
Gardner, C.A.C. 204, 1187, 183, 1058
Gardner, W.A. 294
Gardner, W.S. 1176, 1035, 1165
GARRA. 1574, 1372, 1500
Garren, K.H. 941, 1683
Garrett, W. 249
Garrott, D.G. 297, 1041
Gartshore, R.G. 266
Garzonio, D.M. 835
Gates, Dell E. 720, 1558, 721, 1564
Gauthier, N.L. 486
Gayen, A.K. 463, 575, 326
Geadelmann, J.L. 115, 1371, 1450
Gelman, D.B. 554, 1617, 1647, 398, 596
Gendloff, E. 113, 871
Genevini, P.L. 228, 1230, 1219
GENSA. 633, 1620, 1640, 145, 514, 1518, 1318, 1546, 329, 391, 382, 604
Genter, C.F. 150, 1103
Ghafar, Z. 205, 1369
Ghate, S.R. 1693, 1302
Ghidiu, G.M. 637
Gilbert, F.F. 266, 277
Gillenwater, H.B. 1307, 1315
Gilstrap, F.E. 461, 1614, 1634, 716
Gingery, R.E. 597, 1140, 1121, 1072, 1066, 6, 1104, 1119, 540, 1107
Gitaitis, R.D. 1059
Glaze, N.C. 25, 1384, 17, 250, 753
Glazer, M. 1505, 1613, 1662
Glenn, S. 1259, 1713
Glotfelty, D.E. 718
Glover, J.W. 974, 1676
Godfrey, G.L. 594
Godfrey, L.D. 335
Golab, Z. 1585, 1243
Golden, A.M. 733, 735, 1650
Goldstein, L.F. 602
Gomez, L.A. 100, 323, 176, 610, 143, 510, 591
Gorden, D.T. 1156
Gorder, G.W. 318
Gordon, D.T. 597, 1140, 168, 600, 1141, 1121, 1066, 6, 1104, 1148, 540, 1107, 1117

AUTHOR INDEX

Gorton, H.L. 241, 1263
Gortz, J.H. 1448
Goth, R.W. 891
Goyer, R.A. 328
Gracen, V.E. 887, 107, 855
Grandpre, T.F. 258
Grant, G.G. 380, 1630, 1609
Grau, C.R. 269, 800, 1419, 907, 247, 255, 1137
Graves, C. 848, 104
Gray, F.A. 1039
Gray, M.E. 402, 1495
Greene, D.L. 1447
Gregory, L.V. 1080, 1078
Gregory, P. 887, 154, 958, 855, 107
Gregory, W.W. 577, 1597
Gressel, J. 1240, 1507, 1222, 1489, 1269, 1540
Grier, S.L. 92, 293, 93, 298, 501
Grissell, E.E. 572
GRLEA. 392
Gronewald, J.W. 223, 1210
Gross, D.C. 1047
Gross, H.R. Jr. 291, 614, 178
Groth, J.V. 981, 166
Grula, E.A. 556
Grula, E.A. 498, 690, 615, 1649, 565
Gudauskas, R.T. 885, 1086, 988, 1143, 1132, 1135
Gueldner, R.C. 536, 420
Guethle, David.& Part 2 :. 41, 1483, 1341
Guisenberry, D. 57, 1666, 1387
Gulya, T.J. 899
Guscar, Howard.& Part 1 :. 42, 1342, 1484
Guss, P.L. 620
Gustin, R.D. 654, 1641, 308, 1068
Guthrie, J.W. 1001
Guthrie, W.D. 439
Guthrie, W.D. 401, 374, 539, 586, 122, 445, 116, 411, 384, 521, 121, 894, 877, 413, 582, 281, 1681, 1694, 437, 232, 435, 408, 1695, 156, 545, 493, 474, 91, 813, 1303, 570, 816, 1566, 98, 314, 319, 460
Hadden, C.H. 992
Hafez, S.L. 739
Hagen, Arthur F. 670
Hagerman, A.E. 893
Hagler, W.M. 824
Hahn, R. 1386
Haider, K. 836, 1611, 1567
Haliscak, J.P. 1319, 1548
Hall, B. 24, 881
Hall, D.H. 1113
Hall, J.K. 1705, 1591, 1491
Hallauer, A.R. 521
Halsey, L.H. 77, 682, 1600
Hamid, A.H. 147, 945, 139, 929, 837
Hamill, A.S. 1707, 1235, 1373
Hamilton, P.B. 972
Hamm, J.J. 290, 330
Hammond, L.C. 779
Hammond, L.E. 1329
Handly, J.V. 1329
Hankins, B. J. 1003
Hanny, B. 1544, 1626, 1663
Hanson, J.B. 223, 1210
Hanthorn, M. 87, 1561, 88, 1562, 85, 1559, 86, 1560
Hanthorn, Michael. 34, 1563
Hardin, B. 346, 360, 702
Hare, W.W. 290
Harein, P.K. 1320, 1308
Harper, J.L. 975, 1701, 1665
Harriman, A.E. 271
Harris, C.E. 1406
Harris, T.C. 1350, 1426, 1409, 1422
Harrison, F.P. 563, 1596
Hart, L.P. 832, 113, 871, 833
Hart, Patrick L. 831
Hartman, J.R. 939
Hartman, John Richard,. 862
Hartstack, A.W. Jr. 452
Hartwig, N.L. 1491, 1591, 1705, 1464, 1344, 1396, 1347, 1594, 1393, 1497, 1231, 1440, 1346, 1345
Hartwig, Nathan LeRoy, 1937. 218, 1413
Hartwig, R.C. 1502
Harvey, J. 1663, 1626, 1544
Harvey, R.G. 1462, 1607, 255, 61, 1595, 1394
Hatfield, J.L. 3, 1233
Hatzios, K.K. 1401, 1524, 1551, 1437, 1265, 1425, 245, 1283
Hawes, M.C. 1022
Hayes, D.K. 554, 1617, 1647, 596
Hazelwood, D. 535, 1106
Hedin, P.A. 585
Heggestad, H.E. 1260
Heim, D. 893
Heimann, M.F. 907
Hein, G.L. 436, 332
Heisterberg, J.F. 258
Hellenthal, Ronald A. 777
Helsel, Zane R. 42, 1342, 1484
Hensley, J.R. 1447
Henson, A.R. 447, 157, 549
Herman, J. Clayton. 267
Hernandez, J. 224, 1328
Hertel, C. 1513, 1247
Herum, F.L. 1668, 1228
Herzog, D.C. 552
Hess, F.D. 1224, 1492
Hesseltine, C.W. 957, 1298, 809, 951
Hicks, J.B. 158, 1122
Higgins, A.J. 1586, 1253, 1712
Higley, L.G. 436
Hill, J.P. 927, 138
Hill, P. 734
Hill, R.A. 941, 1683, 962, 696, 1027
Hill, R.E. 390
Hill, R.R. Jr. 147, 945, 139, 929, 837
Hilton B.W. 1682, 1289
Hilty, J.W. 1145, 992
Hinesly, T.D. 1717, 1278
Hinz, P.N. 666, 626, 627
Hirano, S.S. 1054
Hite, R.E. 903
HJHSA. 190, 1160, 130, 912, 131, 913
Hoefer, R.H. 56, 1385
Hoffman, L.D. 1591, 1705, 1491, 1464, 1594, 1393
Hoffmann, Sigmar Ekkehard. 970
Hofmann, C.K. 1536, 1415
Hofmaster, R.N. 481, 345, 302
Hogg, D.B. 382
Hoisington, D.A. 793, 111
Holbert, James R. 274
Holden, M.J. 926
Hollingsworth, K.A. 322
Hollingsworth, L.D. 78, 689
Holtmeyer, M.G. 935, 932
Holtzer, T.O. 517, 652, 1721, 713, 394, 112
Homan, H.W. 562
Hood, E. L. 1198
Hooker, A.L. 924, 171, 986, 1002, 801, 949, 169, 985, 149, 947, 114, 873, 960, 177, 989
Hookstra, G.H. 121, 894
Horn, B.W. 823, 998
Horn, D.J. 465, 1095

Horner, E.S. 91, 813, 1303, 282, 812
Horng, L.C. 1374
Horvath, L. 1529, 1254
Hostetter, D.L. 488
Housley, T.L. 227, 1227
Howard, D.C. 1306
Howell, S.H. 163, 1056, 1134
Hower, A.A. Jr. 471
Huebner, L.B. 421
Huggans, J.L. 493
Huggans, James Lee,. 506
Hughes, B.J. 1285, 1550, 1441
Humburg, N.E. 1359
Hummel, H.E. 558
Hunter, John H. 919, 235
Hunter, R.B. 1276
Hurd-Karrer, Annie M. 262, 1487
Hussey, R.S. 657, 778, 1598
Hyde, H.C. 1229, 1581
Ignoffo, C.M. 448
Ilnicki, R.D. 1423, 1324, 1382, 1439, 1376, 1374
Iltis, H.H. 1148
Inaba, T. 866
Inserrra, R.N. 752
Isenhour, D.K. 406
ISJRA. 384
Israel, H.W. 1126
Jachetta, J.J. 230, 1377
Jackson, T.L. 221, 1203
Jacobensen, B.J. 766
JAFCA. 1524, 1292, 1515
James, B.R. 1264, 1714, 1575
Janssen, K.A. 1249, 1517
Jarrell, W.M. 1277
Jarvis, J.L. 401, 374, 539, 384, 877, 413, 582
JCECD. 224, 1328
JEENA. 703, 1657, 1623, 446, 649, 373, 717, 429, 100, 323, 335, 886, 1506, 692, 602, 1305, 714, 116, 411, 610, 176, 857, 1493, 143, 510, 1548, 1319, 641, 188, 72, 608, 594, 555, 1534, 415, 1499, 1083, 669, 513, 375, 463, 1309, 1307, 643, 178, 614, 45, 372, 599, 290, 289, 311, 1312
JEENAI. 344, 1310, 334, 144, 512, 376, 631
Jeffery, L.S. 1504, 1236, 1375
Jellum, M.D. 1073
Jenison, J.R. 622, 187, 208
Jenkins, J.N. 97, 313
Jennings, V.M. 1399
Jensen, E.F. 278
Jentes, C. 433
JEVQA. 244, 1275, 1610, 1278, 1717, 1279, 1576, 1587, 930, 1297
JEVQAA. 1491, 1705, 1591, 1264, 1714, 1575, 1241, 1709, 1583, 859
Jiang, Z. 648
Jimenez, J.J. 224, 1328
JKESA. 445, 122, 461, 1634, 1614
Johnson, A. W. 15, 723
Johnson, A.W. 747, 17, 250, 748, 740, 722, 753, 738
Johnson, D. 523, 755
Johnson, D.E. 693
Johnson, E.R. 980, 165
Johnson, F.A. 287
Johnson, G. 763
Johnson, G.V. 1188
Johnson, Herbert G. 1007
Johnson, J. 53, 213, 1242
Johnson, M.W. 713
Johnson, M.W. Jr. 938
Johnson, R.J. 275, 22, 551, 1531
Johnson, R.R. 75, 1284, 1547
Johnson, T.B. 453
Johnston, G. 1348
JONEB. 73, 775
Jones, D. W. 497
Jones, J.A. 586
Jones, J.E. 89, 1209
Jones, R.J. 1429
Jones, R.K. 49, 876, 972, 909
Jones, R.L. 505, 1616, 1638
Jones, Ronald Klair,. 1115
Jons, V. 1127
Jons, V.L. 1176, 1035, 1165
Jordan, E.G. 802
Josephson, L.M. 1070, 1154, 91, 813, 1303, 282, 812
JOSHB. 1273, 1571
Joshi, J.M. 117, 412
Joyner, D.E. 277
JPNUD. 228, 1230, 1219
JSTED. 835
Juarez, H.A. 542
Juvik, J.A. 190, 1160
Kagan, M.Z. 479, 1636
Kajiwara, T. 866
Kalmbacher, R.S. 23, 1370
Kaneko, K. 948, 151
Kanour, W.W. Jr. 700, 1723
Kantack, B. H. 356
Karczmarczyk, J. 1232, 1498
Karczmarczyk, S.J. 1262, 1539, 1397, 214, 1395, 1398
Kaster, L.V. 436, 310
Katzen, J.S. 1211
Kawasaki, T. 1207
Kealey, K.S. 850, 1688, 1678
Keaster, A.J. 680, 400, 379, 310
Keisling, T.C. 531, 1675
Keith, D. L. 359, 526
Keith, D.L. 347
Kelly, D.T. 1241, 1709, 1583
Kelman, A. 1040
Kenaga, E.E. 1220, 1704
Kennedy, G.G. 393, 685, 1622, 1643, 686, 1722, 612, 698, 440
Kenney, J.F. 255
Kerr, Harold D. 41, 1483, 1341, 42, 1342, 1484
Khalil, F.A. 830, 225
Khan, S.U. 1515, 1373, 1707, 1235
Khedir, K.D. 1451
Kheyr-Pour, A. 107, 855
Kimber, A. 925
Kindler, S.D. 121, 894
King, L.D. 1579, 1213
King, R.P. 1366
King, S. 91, 813, 1303
King, S.B. 979, 164, 1300, 914, 861, 916, 1024, 1000, 959
Kingsland, G.C. 1081
Kinnear, J. 1281
Kious, C. 1505, 1662, 1613
Kirk, V.M. 329, 358, 317, 300
Kirkpatrick, B.C. 297, 1041
Kirkpatrick, R.L. 1318, 1546
Kisiel, M.J. 231, 1378
Kitchen, L.M. 1521, 1522
Kloeppler, J.W. 297, 1041
Klun, J.A. 437, 232, 435, 11, 646, 648, 647
Knake, E.L. 70, 1421
Knoche, H.W. 819, 818
Knoke, J.K. 198, 1174, 196, 1171, 600, 168, 1141, 1121, 1090, 1120, 1162, 6, 1104, 1152, 1156, 69, 1130, 161, 1129, 1172

Knowles, C.O. 463, 575, 326
Knutson, A. 714
Knutson, A.E. 632
Koehler, A.E. 275
Koeppe, D.E. 234, 1244
Koepsell, P.A. 882, 130, 912, 131, 913, 829, 828, 847, 827, 840
Kofoid, K.D. 121, 894
Kohl, D.H. 66, 1526
Kolattukudy, P.E. 206, 239, 1197
Kono, Y. 1012
Koontz, H.V. 1280
Kosikowski, F.V. 850, 1678, 1688
Kostusiak, A.S. 231, 1378
Kovacevic, V. 136, 1195
Kovaleva, A.S. 479, 1636
Koziol, F. 683
Koziol, F.S. 397, 396
Kramer, D. 1205
Krausz, J.P. 780, 389, 794
Kravchenko, V.D. 479, 1636
Krenzer, E. Jr. 974, 1676
Kress, L.W. 1234, 1706
Krochmal, E. 1222, 1489
Krouse, L.J. 730, 888
Krueger, H.R. 477, 429
Krusberg, L.R. 733
Krutz, G.W. 1291
Krysan, J.L. 385, 1631, 425
Ksander, T. 433
Ksander, T.F. 476
Kuepper, G. 66, 1526
Kuhlman, D.E. 527, 599
Kuhn, C.W. 1073, 651, 1151
Kuhr, R.J. 494
Kunstman, J.L. 886, 1506
Kuntz, B.T. 31, 1555
Kwolek, W.F. 814, 1304, 281, 1681, 1694, 408, 1695, 91, 813, 1303, 811, 1680, 282, 812
Kyle, C. H. 987
Lacy, G.H. 1057
Ladd, T.L. 477, 429
Ladd, T.L. Jr. 430
Laflen, J.M. 1502
Lagoda, A.A. 1480, 1646, 1690
Lai, F.S. 1317, 1692, 1677
Laing, J.E. 674
Lal, S. 839
Lambert, R.J. 993, 186, 934, 140
Lane, L. 1099, 1051
Lane, M.D. 251
Larsen, A.L. 835
Lash, L.D. 744, 729, 728, 731
Latin, R.X. 787
Latterell, F.M. 826, 1661, 865
Laurence, J.A. 1048, 1239
Law, S.E. 488, 251
Lay, M.M. 1245, 1510
Leach, C.M. 237, 955, 236, 954, 238, 956, 902, 1033, 940
Leasure, J.K. 80, 1454
Leavitt, J. Robert Carlton. 1257
Leavitt, J.R.C. 1322, 1710, 1250, 1523
Lee, G.H. 647
Lee, I.M. 1124
Lee, P.W. 1473, 1208
Leesch, J.G. 1307
Legg, D.E. 625
Lengkeek, V.H. 730, 888, 729, 728
Lengkeek, Venance H. 1009
Leonard, K.J. 811, 1680, 909
Leonhardt, B.B. 11, 646
Lepone, G. 647
Leppla, N.C. 572
Lesiewicz, D.S. 1533, 480, 645
Lesiewicz, J.L. 645
Lessiter, F. 1472
Letzsch, W.S. 1212
Levchenko, E.A. 1311
Levine, E. 414, 687, 72, 608, 310, 541, 36, 283, 410
Levy, Y. 825, 863
Lew, A.C. 405
Lewis, L.C. 576, 592, 453, 466, 691, 707, 288
Lewis, Leslie Cobb,. 404
Lewis, S.A. 735, 1650
Lewis, W.J. 536
Li, Ming-yu. 1379
Liang, T.T. 1503
Lichtenstein, E.P. 1503
Lightenstein, E.P. 886, 1506
Liliehoj, E.B. 281, 1681, 1694
Lillehoj, E.B. 401, 90, 807, 814, 1304, 930, 1297, 408, 1695, 879, 193, 1031, 91, 813, 1303, 1025, 1697, 1679, 816, 1566, 811, 1680, 812, 282
Lillejoh, E.B. 1015, 1685
Lindow, S.E. 1217, 1216
Lindsey, Donald Wayne. 1087
Ling, L.C. 708
Linker, H.M. 287
Linz, G.M. 268
Lipps, P.E. 895, 896, 820, 967, 903, 1121
Litsinger, J.A. 648
Llewellyn, G.C. 1211
Lockeretz, W. 66, 1526
Lodholz, M.L. 582, 319
Loera, J. 628, 383
Loesch, P.J. Jr. 521, 899
Lofgren, C.S. 604
Lofgren, J. A. 742
Lofgren, John A. 805, 709, 1465
Logan, J. A. 399, 1632
Loke, W.H. 507
Loonan, D.V. 197, 1173, 204, 1187, 1185
Lopez, J.D. Jr. 452
Louie, R. 198, 1174, 196, 1171, 600, 168, 1141, 1121, 1090, 1162, 6, 1104, 1152, 1156, 69, 1130, 161, 1129, 1172
Lublinkhof, J. 707
Luckmann, W.H. 558, 496
Lueschen, W.E. 1352
Lukens, D.L. 1, 796
Lumb, John Michael,. 1481
Lummus, P.F. 653
Lybecker, D.W. 1366
Lynch, R.E. 552, 330, 442, 441, 288
Lynn, L.B. 1417
Lyons, A.J. 953
Macdonald, J.L. 860
Mack, H.J. 882, 847, 840
MacKenzie, J.D. 409, 1082
MacNab, A.A. 890, 889, 1020, 1019, 849
Madden, L.V. 387, 1046, 1156
Maddux, L.D. 731
Madisen, L.J. 857, 1493
Mahler, R.J. 1218, 1703, 1229, 1581
Mahmoud, Ali Ramadan. 47, 1226
Makarim, A.K. 212, 1584, 1194
Malefyt, T. 1452
Malek, R.B. 766
Manley, D.G. 389, 794
Manuwoto, S. 339
Manwiller, A. 930, 1297
Maramorosch, K. 644
Maranville, J.W. 220, 1202

AUTHOR INDEX

Marasas, Walter Friedrich Otto,. 964, 1659
Margolies, D.C. 409, 1082
Marme, D. 1247, 1513
Marriage, P.B. 1373, 1707, 1235
Marschner, H. 1205
Marsh, P.B. 859
Marsh, S.F. 209, 997
Marshall, E. 1699, 1036
Marti, L.R. 295, 822
Martin, A.R. 1360, 1403, 1267
Martin, Alex. 1463
Martin, C.R. 1677, 1317, 1692
Martin, F.G. 48, 736
Martin, M.A. 18, 1514, 1367, 1494
Martin, M.J. 105, 851
Martin, P.B. 529
Martinson, C.A. 899, 210, 1016
Martinson, Charlie A. 906
Mascianica, M.P. 1249, 1517
Matthew, David L. 432, 355
Matthew, David L. Jr. 369
Matthew, David L.& Field crops insects. 352
Mayer, D.F. 1613, 1662, 1505
Mayhew, D.E. 656, 1153
Mayo, A.B. 588
Mayo, Z.B. 516, 1674, 1519, 509, 1673, 347, 511, 390, 496
Mayo, ZB. 359
Mayrose, V.B. 1241, 1709, 1583
Mayse, M.A. 584
McBride, J. 1063
McCalla, I.E. 33, 1557, 29, 1553, 32, 1556, 30, 1554
McCalley, N. 523, 755
McCarl, B.A. 18, 1514, 1367, 1494
McCartney, D.A. 655, 1621, 1642, 414, 72, 608, 311, 340, 36, 283
McClung, A.M. 983
McCoy, R.E. 1053
McCutchen, T. 848, 104
McCutcheon, O.D. 297, 1041
McDonald, L.L. 1315
McDowell, R. 87, 1561, 88, 1562, 85, 1559, 86, 1560
McElfresh, P. 1289, 1682
McFadden, T.L. 694
McFeeley, James Calvin,. 1014
McFerran, J. 191, 1163, 128, 1093, 127, 1091, 126, 1092
McGaughey, W.H. 1305, 1313
McGlamery, M.D. 1456, 1323
McGrath, M. 315
McIntyre, Basil Leon,. 1418
McKenzie, Bruce A. 1003, 21, 920
McKeon, Thomas Andrew. 994
McKibben, G.E. 1351, 1392, 1356, 1391
McKyes, E. 1270
McLaughlin, J.L. 561
McLaughlin, J.R. 679
McMillan, W.W. 900
McMillian, W.W. 108, 378, 499, 144, 512, 133, 484, 157, 549, 284, 281, 1694, 1681, 162, 581, 419, 170, 601, 408, 1695, 962, 810, 515, 1628, 417, 816, 1566, 589, 1501
McMillian, W.W. Widstrom, N.W. 696, 1027
McPherson, R.M. 376, 631
Meggitt, W. F. 79, 1453
Meggitt, William F. 1565
Meighen, E.A. 380, 1609, 1630
Melching, J.S. 207, 965, 874
Mellis, J.M. 1532, 1256
Melville, D.R. 1355
Mensah, J.K. 1668, 1228
Merezhinskii, YU.G. 1541
Meyer, R.H. 594
Michels, G.J. 321, 454, 1672
Michels, G.J. Jr. 711
Miedema, P. 120, 229, 1238
Mikel, M.A. 135, 1098, 190, 1160, 875, 1178, 28, 1179, 1111
Milbrath, G.M. 1089
Miles, J.W. 186, 993, 140, 934
Miller, B.S. 1692, 1317, 1677
Miller, G. R. 1455, 1603
Miller, G.R. 1246, 1512
Miller, Gerald R. 43, 1343, 1485
Miller, P.M. 754
Miller, S.E. 16, 1293
Miller, T. P. 526
Minor, H.C. 999
Minotti, P.L. 1404, 1365, 1550, 1285, 1441
Miranowski, J.A. 252, 1670
Mirocha, C.J. 824
Misra, R.S. 869
Mitchell, E.R. 574, 679, 642, 572, 671
Mitchell, R.C. 259, 260
Mock, J.J. 102, 1221
Moerck, K.E. 1682, 1289
Mogen, B.D. 166, 981
Mohanty, P. 1206
Mohd-Salleh, M.B. 466, 691
Mohr, H.E. 1011, 1301
Moomaw, R.S. 1360, 1403
Moomaw, Russell S. 1434
Moomaw, Russell. 1463
Moore, Leon,. 525
Moppert, K.B. 1355
Moraes, W.B.C. 1017
Moreira, S.M.C. 1291
Moreno-Martinez, E. 976, 1299
Morey, R. Vance. 1700, 1294, 1664
Morgutti, S. 228, 1230
Morris, D. 701
Morrison, W.P. 337, 632, 534
Morse, B.W. 701
Morse, D. 380, 1630, 1609
Mosely, P.R. 636
Moss, P.A. 1345
Mottinger, J.P. 158, 1122, 1157
Moyer, J.R. 217, 1252, 1711
MUCBA. 595
Mueller, R.T. 1193
Muka, A.A. 494
Mulchi, C.L. 1716, 1272, 1715, 1271
Mulder, P.G. 363
Mulder, P.G. Jr. 467
Mullinix, B.G. 722, 529
Munson, James Derril,. 757
Musick, G.J. 496
Musick, J.T. 78, 689
MXMRA. 71, 222, 1204
MYCOA. 767, 246
Myers, G.L. 517
Myttus, E.R. 479, 1636
Nabors, R.A. 522
Nagai, T. 611, 1648, 1619, 673
Nagy, D. 153, 254
Naidu, Balasundara,. 132, 1096
Natti, T.A. 821
Nault, L.R. 688, 1164, 465, 1095, 387, 1046, 597, 1140, 201, 1182, 1064, 1120, 6, 1104, 1148, 1119, 457, 1651, 540, 1107, 1055
Nave, W.R. 1667, 1223
NDKRA. 268
Ndon, B.A. 1607, 1462, 61, 1595, 1394
Nelson, D.W. 1709, 1241, 1583

Nelson, J. 24, 881
Nelson, L. V. 57, 1666, 1387
Nelson, Lloyd Russel,. 1102
Nelson, P.E. 938
Nelson, R.R. 138, 927
NeSmith, J. 48, 736
Neuffer, M.G. 111, 793
Neumann, P.M. 1243, 1585
Newton, J.P. 509, 1673
Niblett, C.L. 1062, 1167
Nicholson, R.L. 963, 893, 952, 942, 1017
Nicholson, Ralph L.& Plant disease control. 782
Niland, A.M. 1245, 1510
Nilson, E.B. 1457, 1604
Nishida, T. 668, 1155, 573, 451
Noetzel, David M. 805, 709, 1465
Noller, C. H.& Agronomy guide. 1199, 1660
Nolting, S.P. 289
Norden, A.J. 48, 736
Nordheim, E.V. 1054
Nordlund, D.A. 536
Norman, J.M. 517, 652, 1721
Norris, R.F. 1405
Norris, R.S. 1406
Norton, D.C. 770, 766, 774
Norton, Don C. 764
Nye, J.C. 1583, 1241, 1709
Nyland, G. 426, 1049
Nyvall, R.R. 806
Nyvall, Robert F. 764, 906
O'Bannon, J.H. 768
O'Toole, J.C. 3, 1233
Oard, M. 770
OASPA. 1427, 1445
Obreza, T.A. 1192, 1582
Ochomogo, Maria del Carmen Garcia,. 858
Odvody, G.N. 1029, 1030
Ogg, A.G. Jr. 1543, 1432
Ohlrogge, A.J. 227, 1227
Okoli, P.S.O. 55, 1593, 1383
Okos, M.R. 1292
Olufolaji, D.B. 1006
Omunyin, M.E. 699
Onukogu, F.A. 319, 439
Ooka, J.J. 815
Oorschot, J.L.P van. 1448
ORRDA. 477, 820, 967
Osteen, C. 87, 1561, 88, 1562, 85, 1559, 86, 1560
Osteen, Craig D. 15, 723
Ostlie, K.R. 436
Oswalt, T.G. 487
Otis, D.L. 258
Overcash, M.R. 1718, 1288
Overdahl, C.J. 71, 222, 1204
Overman, J.L. 549, 157
Owens, John Charles,. 640
Page, A.L. 1703, 1218, 1581, 1229
Pandey, G.S. 1708, 1237
Parker, R. 1460
Parochetti, J.V. 1409, 1422
Pascholati, S.F. 893
Patch, L. H. 675
Paulsen, M.R. 1223, 1667
Paulus, A.O. 1113, 24, 881
Pautler, L. 558
Pavlista, A.D. 1444
Paxton, J.D. 234, 1244
Payne, G.A. 90, 807, 209, 997, 853, 904, 879, 909
Payne, T.L. 423
PCBPB. 1448, 1446, 1361, 1510, 1245, 673, 1513, 1247, 1507, 1240, 1489, 1222, 1430, 1552, 1449
Peabody, D.V. 1358, 1467
Pecknold, P.C. 787
Pedersen, W.L. 872
Pekrul, S. 615, 1649, 556
Pendery, W.E. 1008
Peng, W.K. 650
Penner, D. 1250, 1710, 1523, 1437, 1425, 1265, 245, 1283
Penny, L.H. 706, 194, 622, 208, 187
Pepper, I.L. 1279, 1576, 1587
Perera, L.A. 1347, 1346
Pereverzev, D.S. 520, 152
Perkins, J.M. 924, 169, 985, 873, 114
Perkins, W.D. 1501
Perna, A. 1570, 1496
Perring, T.M. 517, 652, 1721, 713, 322
Perry, V.G. 48, 736
Peters, E. J. 41, 1483, 1341, 42, 1484, 1342
Peters, L. L. 526
Peters, L.L. 325, 1486, 681
Peterson, J.R. 1717, 1278
Pfleger, F. L. 805, 709, 1465
PFSHA. 25, 1384
Pham, H.N. 958, 154
Phatak, S.C. 25, 1384
PHESA. 668, 1155, 573
Phillips, N.J. 1110
Phipps, P.M. 746, 745, 732
PHYTA. 580, 1131, 1065, 137, 1296, 1022, 838, 1217, 1216, 963, 1008, 150, 1103, 825, 705, 1166, 885, 1086, 893, 1037, 597, 1140, 853, 863, 939, 988, 1143, 207, 965, 1295, 852
PHYTAJ. 387, 1046, 1124, 109, 1077, 535, 1106
PIACA. 695, 787
PIAIA. 880, 521
Pieczarka, D.J. 160, 966, 901
Pierce, R. 672, 587
Pierson, E.E. 220, 1202
Pietz, R.I. 1717, 1278
Pike, K.S. 1662, 1505, 1613, 508, 1516
Pillai, P. 1256, 1532
Pimentel, David. 1475, 1702
Pitombeira, J.B. 227, 1227
Pitre, H.N. 382
Plank, C.O. 1212
Plato, G.E. 14, 276
Pless, C.D. 522
Plimmer, J.R. 11, 646, 647
PLPHA. 1528, 234, 1244
PNWSB. 1423, 1498, 1232, 1539, 1262, 1324, 1444
Pocock, R. 472
Podleckis, E.V. 1260
Poe, S.L. 287
Poneleit, C.G. 323, 100, 610, 176, 510, 143, 591
Pope, R.A. 1602, 1443
Porter, R.M. 938
Porter, W.C. 1380
Poston, F.L. 628, 289, 383
Potter, J.M. 210, 1016
Powell, N.L. 653
Powell, R.G. 10, 553, 561
Pozuelo, J.M. 239, 206, 1197
pre-emergence and postemergence. 41, 1341, 1483
preplanting incorporated treatments. 42, 1342, 1484
Price, T.P. 1446
Primiani, M. 647
Prostak, Donald J. 27, 256
Pruss, S.W. 1447
Pulay, A. 1529, 1254
PVPCB. 275
Qawiyy, O.J. 563, 1596

Quinlan, J.K. 1317, 1692, 1677, 1316
Rabb, J.L. 1355
Rabin, L.B. 447
Radewald, J. 755, 523
Radewald, J.D. 756, 524
Radosevich, S.R. 230, 1377
Raemisch, D.R. 296
Raghavan, G.S.V. 1270
Rains, B.D. 415, 1083, 1499
Rajaram, S. 101, 248
Raju, B.C. 426, 1049
Ramsey, T.A. 377
Rand, Frederick V. 1042
Raney, H. 532
Raney, H.G. 577, 1597
Raney, R.J. 50, 878, 1108
Rasmussen, D.E. 598
Rathore, V.S. 1206
Rathore, Yogendra Singh. 62, 519
Rawlings, J.O. 90, 807
Ray, T.B. 1408
Raymundo, A.D. 1002, 114, 873, 960
Redborg, K.E. 1278, 1717
Redlinger, L.M. 378, 108, 1318, 1546, 1307, 1315
Reed, G.L. 539, 116, 411, 582
Reifschneider, F.J.B. 946, 148, 1037, 928
Reiss, William D. 1003
Rendig, V.V. 219, 1200
Rest, E.B. 1111
Retan, A.H. 639
Reynolds, H.T. 524, 756
Rhoades, H.L. 743
Rhoads, F.M. 1192, 1582
Rhodes, A.M. 135, 1098, 190, 1160, 875, 1178, 28, 1179, 1111
Rhykerd, C. R. 1660, 1199
Rich, J.R. 779
Rich, S. 754
Richard, P. 1270
Richey, C. B. 1003
Richey, Clarence B. 21, 920
Rieck, C.E. 1388, 1521, 1522
Ries, S.K. 1273, 1571
Riley, E.G. 145, 514, 1518
Riley, T.J. 537
Rings, R.W. 590
RIsch, S.J. 482
Ritter, R.L. 1350, 1426
Roach, S.H. 292
Roane, C.W. 150, 1103
Robbins, J.C. 374, 319, 439
Robbins, P.S. 704, 1624, 1644
Roberson, L. 87, 1561, 88, 1562, 85, 1559, 86, 1560
Robertson, D.C. 1088
Robertson, L. S. 57, 1387, 1666
Robinson, J.B. 1302, 1693
Robinson, J.F. 437, 232, 435, 441
Rodrigues, J.J.V. 233, 1381
Rodriguez-Ardon, R. 959
Rodriguez, E. 692
Rodriguez, J.G. 100, 323, 610, 176, 510, 143, 591
Roeth, F.W. 1451
Roeth, Frederick Warren,. 1488
Rogers, H.H. 244, 1275, 1610
Rogers, R.F. 957, 1298, 809
Rohde, W.A. 1574, 1372, 1500, 753
Roltsch, W.J. 584
Romaine, C.P. 1078
Romheld, V. 1205
Romney, E.M. 1207, 1190, 1281
Rose, Robert Ingersoll,. 759
Roselle, R. E. 526
Rosenkranz, E. 109, 1077, 705, 1166, 159, 1125, 1101, 118, 1085, 1123
Rosenkranz, E.E. 1079
Ross, H. A. 491
Ross, W.M. 121, 894
Rossi, A.E. 826, 1661, 865
Rossman, E.C. 113, 871
Rothberg, J.M. 860
Routley, D.G. 95, 304
Rowan, R.G. 1043
Rubin, B. 1523, 1250, 1710
Rubink, W.L. 655, 1621, 1642, 72, 608, 340, 590
Ruesink, W.G. 446, 7, 299, 1719, 392, 310, 558
Ruiz-Sifre, G.V. 1273, 1571
Rupe, J.C. 939
Ruppel, R.F. 595
Russell, W.A. 851, 105, 281, 1681, 1694, 408, 1695
Ryder, G.J. 69, 1130, 161, 1129
Rydrych, D.J. 1354
Saad, S.M. 1137
Sabet, K.A. 225, 830
Sadehdel-Moghaddam, M. 521
Saettler, A.W. 1523, 1250, 1710
Sagaral, E.G. 1433
Sahu, S. 1708, 1237
Sailer, R.I. 507
Salin, M.L. 585
Salumu-Shabani. 1021
Samson, R. 1084
Samuelson, D.A. 1059
Sanden, G.E. 727, 744
Sanders, T.H. 941, 1683
Sandlan, K.P. 505, 1616, 1638
Sandvol, L. 472
Sanford, James Walker,. 566
Sanok, W.J. 1389
Santo, G.S. 768
Sappington, T.W. 334, 4, 422, 279
Saras, C.N. 1398
Sardanelli, S. 733
Sasser, J.N. 737, 973, 773
Sauer, D.B. 1310, 1309, 1295, 1011, 1301
Saunders, E. 1364
Saunders, E.S. 1329
Saunders, J.L. 542
Saxena, S.C. 839
Saxton, K.E. 1266
SCAEA. 16, 1293
Schaad, N.W. 1052
Schalk, J.M. 694
Schall, R.A. 942
Schein, R.D. 837
Schmidt, B.A. 1312
Schmidt, R.S. 541
Schmitt, D.P. 73, 775, 737, 973, 773
Schnappinger, M.G. 1447
Schneider, R.W. 1008
Scholl, J.M. 55, 1593, 1383, 1607, 1462
Schrader, L.E. 1552, 1449
Schultz, G. E. 79, 1453
Schultz, K. 224, 1328
Schwarz, M. 648
Schweizer, E.E. 1366, 1466
SCIEA. 1036, 1699
Scott, D.E. Sr. 1372, 1574, 1500
Scott, D.H. 898, 787, 897
Scott, D.R. 344, 562
Scott, Donald H. 790, 782
Scott, Donald H.& Plant disease control. 982
Scott, G.E. 164, 979, 1300, 109, 1077, 635, 159, 1125, 914, 861, 134, 1097, 1154, 6, 1104,

916, 1079, 118, 1085, 173, 605, 1000, 959
Scott, Joseph H. 41, 1483, 1341, 42, 1484, 1342
Scriber, J.M. 339
Seitz, L.M. 1011, 1301
Selleck, G.W. 1477, 1334
SENTD. 619, 182, 632
Seput, M. 136, 1195
Sequeira, L. 1040
Seth, P.C. 1708, 1237
Shank, D.B. 208, 622, 187
Shannon, G.M. 953
Sharma, C.P. 211, 1225
Sharma, P.N. 211, 1225
Sharvelle, Eric G.& An aid to identification. 790
Shaunak, Krishan Kumar,. 1159
Shaver, T.N. 452
Shaw, J.T. 680, 400, 446
Shea, P.J. 1718, 1288
Shearer, G. 66, 1526
Shedd, D.T. 16, 1293
Shelton, David P. 1463
Sherchan, K. 74, 184, 1274
Sherman, K.E. 644
Shogren, M. 1317, 1692, 1677
Short, Donald Eugene,. 613
Shotwell, O.L. 1038, 1687, 809, 1028, 1698, 1686, 953, 951
Showers, W.B. 680, 436, 334, 400, 4, 422, 279, 384, 363, 467, 310, 458, 407, 1633, 396, 547
Shrotri, C.K. 1206
Sieczka, J.B. 1389
Siegel, M.R. 939
Siemens, J.C. 1602, 1443
Sikorowski, P.P. 703, 1657, 1623
Sim, T. IV. 1005
Simmons, C.E. Jr. 167, 984
Simonaitis, R.A. 1546, 1318
Simpson, M.E. 859
Simpson, W.R. 1116
Sims, J.M. 1279, 1576, 1587
Singh, B.P. 1117
Singh, M. 25, 1384
Sklany, T.E. 1500, 1372, 1574
Slessor, K.N. 380, 1630, 1609
Smalley, E.B. 852
Smiley, J.T. 692
Smith, C.R. Jr. 10, 553, 100, 323, 143, 510, 561
Smith, D.B. 488
Smith, H. D. 578, 1654
Smith, J.C. 653
Smith, J.M. 244, 1610, 1275
Smith, O.S. 102, 1221
Smith, R.H. 1306
Smith, R.J. 690, 615, 1649, 565
Smittle, B.J. 604
Snazelle, Theodore Edward,. 1138
Soderholm, Leo Harold,. 502
Sollazzo, P.J. 1439
Somers, J.D. 266, 277
Sonnet, P.E. 620
Soon, Y.K. 217, 1252, 1711
Sosnovaya, O.N. 1541
Sparks, A.N. 420, 424, 11, 646, 647
Sparks, R.B. Jr. 1057
Speirs, W.E. 1312
Spies, C. D.& Agronomy guide. 1198
Spomer, R.G. 1266
Sposito, G. 1703, 1218
Springer, J.P. 826, 1661
Sreenivasam, D.D. 443
Standifer, L.C. 1442, 1601
Stanley, R.L. Jr. 1192, 1582
Stansell, J.R. 531, 1675
Stark, J.C. 1277
Starks, K.J. 364, 664
Steffey, K. 594
Steffey, K.L. 527, 643, 599, 626, 667
Stehn, R.A. 264, 1669, 273, 1542
Stephens, C.T. 832, 833
Stevens, C. 885, 1086, 988, 1143, 1135
Stevens, Christine T. 831
Stevens, K.K. 1668, 1228
Stickley, A.R. Jr. 258
Stimac, J.L. 287
Stimmann, M. 755, 523
Stimmann, M.W. 756, 524
Stinner, B.R. 655, 1642, 1621, 477, 429
Stinner, R.E. 393, 685, 1643, 1622, 686, 1722
Stockdale, H. J. 67, 548
Stockdale, H.J. 469, 368
Stockdale, Harold J. 76, 1549, 357
Stockdale, Harold. 1537, 473
Stockel, J. 1314
Stoetzer, H.A.I. 699
Stoller, E. W. 1471
Stoller, E.W. 1362, 1323
Stoloff, L. 1685, 1015
Stoltz, R.L. 1116
Stomberg, E.L. 1176
Stone, C.P. 257
Stoneberg, Hugo F. 1136
Stoner, W.N. 308, 1068
Storch, R.H. 425
Storey, C.L. 1310, 1309, 1295, 1692, 1317, 1677
Story, R.N. 680, 400, 145, 514, 1518, 379
Strandberg, J.O. 1059
Stranger, C.E. 1427, 1445
Straub, R.W. 543, 155, 1118, 555, 1534, 157, 549, 567, 1128, 494, 1655, 1144
Straub, Richard W.,. 68, 761
Strek, H.J. 1325, 1474
Stretz, L. 433
Stretz, L.E. 476
Stromberg, E.L. 1044, 922, 769, 971, 1133
Stroshine, R. 137, 1296
Styer, R.C. 141, 936
Sudar, R.A. 1266
Summy, K.R. 461, 1634, 1614, 716
Sumner, D.R. 867, 17, 250, 975, 1701, 1665, 996, 1052
Sumner, M.E. 1212
Sun, Ming-hsien,. 968
Sundstrom, F.J. 514, 145, 1518
Surano, K.A. 244, 1275, 1610
Sureau, F. 1314
Sutter, G.R. 180, 618, 331, 500, 564, 583, 593
Sutton, A.L. 1583, 1241, 1709
Suzuki, Y. 1012, 819
Suzuki, Z. 818
Swann, C.W. 1338, 1340, 1337, 1336, 1428, 1339
Sweeney, S. 66, 1526
Sweet, R.D. 1404, 1365, 1550, 1285, 1441
Swims, J.C. 860
Szatmari-Goodman, G. 688, 1164
Sze, H. 926, 925
Szeto, S.Y. 1509
Szittner, R.B. 380, 1630, 1609
TAAEA. 485, 78, 689
Takahashi, K. 866
Takara, J. 668, 1155
Takeuchi, S. 1012
Taylor, F. 1270
Taylor, S. Elwynn. 267
Taylor, V.N. 663, 189

Teem, D.H. 1478, 1215, 23, 1370
Teetes, G. L. 65, 544, 798
Tegtmeier, K.J. 819
Teranishi, R. 708
Tette, J.P. 494
Thean, J.E. 536, 826, 1661
Thomason, I. 523, 755
Thompson, D.L. 90, 807, 944, 146, 879, 811, 1680
Thompson, L.M. 59, 1248
Thomson, M.S. 391, 571, 1639, 1618
Thorn, G.D. 1023
Tiffany, L.H. 931, 210, 1016
Timian, R.G. 1176, 1035, 1165
Timm, R.M. 22, 551, 1531
Tingle, F.C. 671
Toler, R.W. 99, 784
Tolin, S.A. 150, 1103, 1170
Tollefson, J.J. 402, 1495, 332, 666, 910, 485, 643, 626, 667, 627, 318
Toole, J.L. 517, 652, 1721
Toscano, N. 755, 523
Toscano, N.C. comp. 756, 524, 755, 523
Townsend, L. 368
Townsend, L.H. 533
Tripathi, R.K. 869
Triplehorn, B.W. 465, 1095
Troester, S.J. 7, 299, 1719, 594, 45, 372
Trogrlic, V. 136, 1195
Trojanowski, J. 836, 1611, 1567
Truelove, B. 1256, 1532
Truite, J. 969
Tsai, J.H. 1053, 580, 1131, 1065, 1167, 1062, 320, 1071, 792
Tsung, Y.K. 177, 989
Tuite, J. 137, 1296
Tuite, John. 982
Tumlinson, J.H. 620, 642
Turner, M.T. 804, 165, 980
Turpin, F.T. 717, 335, 712, 1625, 1645, 310, 503, 496
Turpin, Frank Thomas,. 760
Ullstrup, A. J. 1003, 1112
Ullstrup, A.J. 797
Upadhyay, R.N. 839
Upper, C.D. 1217, 1216, 1054
Uyemoto, J.K. 1110, 1109, 1100, 1108, 1175, 1076
Vakili, N.G. 931, 923
Van Duyn, J.W. 1533, 633, 1620, 1640, 480, 375, 645, 492
Van Etten, J.L. 977
VanCauwenberge, J.E. 1690, 1480, 1646
Vance, A. M. 306, 1652
Vander Vost, P.B. 81, 1458, 1605
Vanwoerkom, G.J. 712, 1645, 1625, 503
Vargas, R. 451
Vargas, R.I. 573
Vargas, T. 472
Vavrina, C.S. 1368
Vetter, R.S. 303
Vidal-Gaona, G. 976, 1299
Vidaver, A.K. 1047
Villena, Willy Lucio,. 1013
Vitelli, Mario,. 697
Vitolo, D.B. 1423
Vizvary, M.A. 1018
Von Baumgarten, G. 1139
Von Kaster, L. 363, 458, 547
Vorst, James, J. 1214
Vovlas, N. 752
Vrabel, T.E. 1404, 1365
Waddill, V.H. 574
Wagner, G.H. 856, 1568
Wagner, S.W. 392
Waiss, A.C. 447
Waiss, A.C. Jr. 617, 484, 133, 549, 157
Waites, R.E. 741
Wakeley, J.S. 259, 260
Walbot, V. 793, 111
Walgenbach, D.D. 296
Walgenbach, David. 356
Walker, D. 1310
Walker, G.L. 1321
Wallace, A. 1207, 1190, 1193, 1287, 1281
Wallin, J.R. 197, 1173, 204, 1187, 935, 1185, 932, 183, 1058
Wallin, Jack R. 1183
Wann, E.V. 191, 1163, 128, 1093, 127, 1091, 126, 1092
Wanner, D. 66, 1526
Ward, C.R. 716, 455, 125, 456
Ward, D.G. 602
Ware, G.D. 1052
Warholic, D.T. 1365, 1550, 1285, 1441
Warren, H.L. 1018, 952, 942
Warren, Herman L. 782
Warters, Mary Ellen,. 464, 1615, 1635
Wassom, C.E. 74, 184, 1274
Waters, luther Jr. 805, 709, 1465
Watson, A. 1270
Watson, A.K. 205, 1369
Wax, L.M. 75, 1284, 1547
Webb, F. 1348
Webb, H.W. 89, 1209
Weber, J.B. 1288, 1718, 1325, 1474
Webster, J.A. 364
Wedberg, J.L. 800, 269, 1419, 247, 255, 362, 438
WEESA. 1410, 1405, 1368, 205, 1369, 1517, 1249, 1403, 1397, 1261, 1420, 1411
WEESA6. 1366, 1466, 1401
Weiss, A. 1, 796
Weiss, M.J. 588, 509, 1673
Welch, S.M. 628
Welch, V.A. 180, 618
Weltzien, H.C. 917
West, D. 848, 104
Whatley, M.H. 1040
Wheeler, H. 905
Whitacre, D.M. 1530, 1255
Whitaker, T.B. 930, 1297
Whitcomb, W.H. 710
White, D.G. 846, 843, 844, 841, 845, 842, 993, 186, 1687, 1038, 788, 1590, 953, 821, 140, 934
White, G.A. 1023
White, R. G.& No till corn: 1. 57, 1387, 1666
White, S.M. 344
Whitmoyer, R.E. 1043
Whitney, D.A. 74, 184, 1274
Whitworth, R.J. 628, 383
Wicklow, D.T. 823, 998, 951
Wickow, D.T. 1686, 1028, 1698
Wicks, G.A. 83, 1606, 1461, 56, 1385
Wicks, Gail A. 1434
Wicks, Gg.A. 81, 1458, 1605
Widstrom, N.W. 617, 378, 108, 499, 144, 512, 133, 484, 900, 549, 157, 281, 1694, 1681, 581, 162, 419, 170, 601, 408, 1695, 504, 962, 810, 515, 1628, 417, 822, 295, 812, 282, 589, 1501
Wildermuth, V. L. 305
Wilkinson, A.T.S. 1509
Williams, Clarence Frank,. 1400
Williams, R.E. 1321
Williams, W.P. 585, 663, 189, 619, 182, 52, 462, 129, 603, 172, 635, 449, 123, 450, 124, 660, 606, 174

AUTHOR INDEX

Williamson, S.W. 1545, 1282
Wilson, D.L. 1110, 1108
Wilson, D.M. 536, 900, 170, 601, 962, 810, 696, 1027, 295, 822, 1501
Wilson, H.P. 1249, 1517, 1424
Wilson, J.G. 599
Wilson, R.G. Jr. 1403
Wilson, R.L. 664
Wilson, Richard Lee,. 776
Wilson, Robert G. Jr. 1434
Wimalajeewa, Dewundera Liyanage Satish-Chandra,. 799
Winkle, M.E. 1322
Winnie, W.V. 443
Wisdom, C.S. 692
Wiseman, B.R. 617, 499, 144, 512, 52, 462, 129, 337, 133, 484, 178, 614, 157, 549, 284, 581, 162, 419, 504, 515, 1628, 417, 529, 589
Wisemann, B.R. 534
Wiser, W.J. 108, 378
Witkowski, J. F. 359
Witkowski, J. R. 526
Witkowski, J.F. 470, 347, 683, 397, 333, 396
Witt, W.W. 1521, 1522
WLSBA. 22, 551, 1531, 264, 1669
Wohlman, A. 1289, 1682
Wood, J. 158, 1122
Woods, A. 1040
Worley, J.F. 1075
Woronecki, P.P. 273, 1542
Worsham, A.D. 233, 1381
Worthley, L. H. 630
Wrage, Leon J. 1335, 1482
Wright, E.J. 674
Wright, R.J. 633, 1640, 1620, 375, 492
Wright, V.L. 400
Wright, W.C. 747, 748, 740, 753
Wrubel, R. 482
Wu, T.L. 1363, 1569
WUEXA. 639
Wyatt, S.D. 535, 1106
Wyse, D.L. 1429
Wysong, D.S. 1099, 1051, 1047
Wysong, David S.& NebGuide. 1010, 1060
Yadav, R.P. 621, 185
Yaklich, Robert Wiliam,. 1407
Yamada, K.I. 644
Yanney, J. 788, 1590, 821
Yeargan, K.V. 406
Yin, C.M. 650
Yoder, O.C. 142, 943
York, Alan C. 366, 342
York, Alan C.& Field crops insects. 432
York, J.O. 199, 1181, 200, 1180, 195, 1168
Young, F.L. 1429
Young, J.R. 614, 178, 722, 531, 1675, 738
Young, O.P. 291
Youssef, A.M. 830, 225
Yu, C.C. 1530, 1255
Zaccheo, P. 1219
Zaharieva, T. 110, 1191
Zbiec, I.I. 1498, 1232, 1539, 1262, 1397, 214, 1395, 1398
Zehner, J.M. 1315
Zeiders, K.E. 1032
Zettler, J.L. 1546, 1318, 1307, 1315
Zeyen, R.J. 981, 166
Ziegler, E.L. 1717, 1278
Zimdahl, R.L. 1366, 1466
Zirakparvar, M.E. 774, 750
Zitter, T.A. 320, 1071
Zuber, M.A. 1685, 1015
Zuber, M.S. 90, 807, 447, 814, 1304, 188, 641, 930, 1297, 157, 549, 870, 193, 1031, 91, 813, 1303, 811, 1680, 448, 1185, 815
Zugzda, M.M. 772
Zummo, N. 96, 1069
Zurcher, N.J. 22, 551, 1531
1893. 262, 1487
1899. 306, 1652
1913. 525
1921. 502
1922. 309
1924. 560, 1535
1926. 464, 1615, 1635
1930. 566, 1013
1933. 506, 697
1934. 1149
1935. 613, 1525, 388
1936. 132, 1096, 1481, 799
1937. 968
1938. 1159, 240, 961
1939. 235, 919, 404, 759, 1115, 776, 416, 1612
1940. 1400, 1014, 757, 68, 761
1941. 964, 1659, 1138, 908, 1050, 1488
1942. 937, 1479, 1067, 1102, 1407
1943. 1418, 760, 862, 950, 868
1944. 640
1945. 1161
1950. 858
4. 79, 1453

CORPORATE AUTHOR INDEX

APHIS. 1127, 769, 971, 1133
APHIS AR-NC. 942
AR. 195, 1168
AR AR-SO. 589
AR-BARC. 648, 596, 718
AR-BARC AR-SO. 647
AR-NADC. 460
AR-NC. 1250, 1710, 1523, 102, 1221, 308, 1068, 425, 1323, 319, 540, 1107, 448, 1117, 1316, 1184, 583, 1313, 396, 557, 932, 439, 442, 593, 547, 183, 1058
AR-NC AR-NC. 1172, 1185, 1450
AR-NC AR-SO. 288
AR-NE. 1032
AR-NRRC. 953, 561, 707
AR-NRRC AR-SO AR-SRRC. 282, 812
AR-SO. 738, 909, 642, 606, 174, 529, 292, 572, 634, 834, 671, 441, 1501, 694
AR-SO AR-NC. 811, 1680
AR-SO AR-NE. 826, 1661, 865
AR-SRRC AR-NC AR-SO. 816, 1566
AR-W. 508, 1516, 708
CA. 524, 756, 523, 755
EX. 1409, 1422
FL. 901
GA. 1339
IA. 368
IL. 1351, 1392, 1356, 1391, 1111, 802
KY. 532
LA. 1355
MN. 1512, 1246
NC. 978, 1696, 1684
OH. 161, 1129
OK. 475
Purdue University Cooperative Extension Service. 921, 1691
SD. 389, 794
SEA-WD AR-BARC. 1063
TN. 104, 848, 992
TX. 99, 784, 5, 662, 1599, 455, 125, 983, 661, 343
TX AR-NC. 98, 314
USDA. 651, 1151, 117, 412
WA. 1467
WI. 270, 438

☆U.S. GOVERNMENT PRINTING OFFICE:1985-460-941:20097